



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Final Analytical Report

Site Name.....	Dimock Residential Groundwater
Sample Collection Date(s).....	02/01/12 10:10- 02/03/12 15:20
Contact.....	Rich Fetzer
Report Date.....	03/05/12 08:47
Project #.....	DAS R33907
Work Order.....	1202001

Analyses included in this report:

Alcohols by EPA 8015D	SVOCs by CLP Equivalent
VOCs by CLP Equivalent (trace)	

Approved for Release

1202001 FINAL PART 2 OF 3 DAS R33907 03 05 12 848
Page 1 of 165

OASQA Representative



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Site Name: Dimock Residential Groundwater

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Report Narrative

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Report Narrative

The EPA Region 3 Laboratory's Quality System is NELAP accredited. The National Environmental Laboratory Accreditation Program (NELAP) is a voluntary environmental laboratory accreditation association of State and Federal agencies.

General Notes:

This report contains results for Volatiles (VOAs), Semivolatiles (SVOAs), and Alcohol analyses only. All other parameters identified on the chain-of-custody form are included in separate reports. Lab Sample numbers 1202001-02, -04, -09, -11, -12, -14, -16, -18, -21, -25, -27, -29, -31, -33, 1202001-37 thru -42, and 1202001-51 are not included in this report since these samples were designated for Metals and Mercury analyses only. Sample for location HW39-P is identified by two lab sample numbers (1202001-24 and 1202001-48). Lab Sample 1202001-48 is associated with the Volatile analysis only.

For Work Order 1202001 - **This is Report 2 of 3.**

All samples were received intact and at proper temperature.

Chain-of-Custody forms are included in Report 1 of 3 for this Work Order.

Analytical results for samples by the Orthophosphorus method are not included in this report. Instead samples were analyzed using the Total Phosphate method to eliminate any issues with holding times. Since the Orthophosphorus method was being used as a screening method to determine the need to analyze the sample by the Total Phosphate method, results for Total Phosphate are not impacted.

Samples designated for the analysis of Oil & Grease were received in sample containers inconsistent with the type needed for the routine extraction procedure. Therefore, all samples were extracted using the manual extraction technique.

Where applicable, sample results are qualified based on the highest level concentrations of field QC contamination found in the field, equipment, or trip blanks.

Unless otherwise noted below, all required instrument and method QC was run and was within criteria.

SVOAs Analysis Note:

All samples were extracted by EPA SW-846 Method 3520C followed by analysis using EPA SW-846 Method 8270D. Refer to notes in case file for additional information regarding the analysis.

For this project two additional compounds are added to the SVOC analysis; 2-methoxyethanol and 1-methylnaphthalene. A separate calibration curve is used for these compounds with quality control requirements per the On-Demand protocol. For 2-methoxyethanol, the analysis is also being completed on each sample using the HPLC/MS/MS technique (Glycol analysis). Since SVOC extraction efficiencies are problematic for 2-methoxyethanol, the results from the HPLC/MS/MS technique should be used for these samples.

For all samples quantitation limits for 2-methoxyethanol are elevated due to zero percent recovery in the low-spike quality control check (BS1). For several samples quantitation limits for 2,4-dinitrophenol and 3,3'-dichlorobenzidine are elevated due to zero percent recovery in the low-spike quality control check (BS1). For several samples, quantitation limits for acenaphthene, bis(2-chloroisopropyl) ether, 4-bromophenyl phenyl ether, 4,6-dinitro-2-methylphenol, 2,6-dinitrotoluene, fluorene, pentachlorophenol, phenanthrene, pyrene, 4-chloroaniline, and 3-nitroaniline are elevated due to low percent recovery in the low-spike quality control check (BS1). Results for most of the mid-level spike quality control check (BS2) are within acceptance limits; therefore, quantitation limits are raised to the mid-level value. Results for the mid-level quality control check for 2-methoxyethanol for several samples are qualified as rejected "R" due to zero percent recovery. In the report, only 16 compounds are reported for blank spike quality control check samples. Quality control



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Report Narrative

information about the additional spiked compounds is available in the case file.

For sample 1202001-17, quantitation limit for hexachloroethane is qualified as estimated "UJ" due to low recovery in the matrix spike quality control check.

Surrogates were double spiked in sample 1202001-05. Recovery criteria were met with no impact on quality of results.

Result for bis-(2-ethylhexyl)phthalate in the laboratory blank (BB20502-BLK) is 1.1 ug/L. Sample results are qualified as possible blank contamination "B" when the value is less than 10x the laboratory blank value. For sample 1202001-23 the bis-(2-ethylhexyl)phthalate result is 5.7 ug/L; which is less than the 10x value but greater than 5x.

Results for a limited number of parameters found in all samples have been qualified "B" because of contamination found in either the method blank, field blank, or equipment blank.

VOA Analysis Note:

Acrylonitrile was analyzed on-demand using CLP equivalent methodology. This analyte does not appear in the data tables or the QC summary and all data for this compound is summarized here. Acrylonitrile was not detected in any of the samples above a quantitation limit of 2 ug/L. A four point curve was analyzed (2, 5, 10 and 20 ug/L). The samples were preserved to a pH<2 with HCl. A low level second source blank spike analyzed at a concentration of 2 ug/L had a recovery of 140%. A mid level second source blank spike analyzed at a concentration of 5 ug/L had a recovery of 95%. Matrix spike/matrix spike duplicate analysis was performed for samples 1202001-17 and 1202001-23. Matrix spike recoveries for sample 1202001-17 were 105% and 91%. Matrix spike recoveries for sample 1202001-23 were 97% and 103%.

2-Chloroethylvinyl ether is not included in the analysis. 2-chloroethylvinyl ether breaks down in acidified samples.

Acetone values greater than 2 ug/L have been qualified with a "J", estimated, since the initial calibration curve was outside of acceptance limits for this compound.

Alcohols Analysis Note:

All required instrument QC was run and was within the required criteria.

REPORT 2 of 3



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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled	Date Received
HW42	1202001-01	Drinking Water	2/02/12 10:28	2/03/12 11:00
HW46	1202001-03	Drinking Water	2/02/12 11:39	2/03/12 11:00
HW46-P	1202001-05	Drinking Water	2/02/12 11:24	2/03/12 11:00
TB15	1202001-06	Water	2/02/12 07:50	2/03/12 11:00
FB09	1202001-07	Water	2/02/12 10:15	2/03/12 11:00
FB08	1202001-08	Water	2/01/12 14:45	2/03/12 11:00
HW34a	1202001-10	Drinking Water	2/01/12 15:47	2/03/12 11:00
HW42z	1202001-13	Drinking Water	2/02/12 10:29	2/03/12 11:00
TB16	1202001-15	Water	2/02/12 07:57	2/03/12 11:00
HW34a-P	1202001-17	Drinking Water	2/01/12 15:55	2/03/12 11:00
TB14	1202001-19	Water	2/01/12 10:10	2/03/12 11:00
HW28a	1202001-20	Drinking Water	2/03/12 11:49	2/04/12 11:10
HW28a-P	1202001-22	Drinking Water	2/03/12 11:52	2/04/12 11:10
HW39	1202001-23	Drinking Water	2/03/12 10:42	2/04/12 11:10
HW39-P	1202001-24	Drinking Water	2/03/12 11:13	2/04/12 11:10
HW40	1202001-26	Drinking Water	2/02/12 15:39	2/04/12 11:10
HW40-P	1202001-28	Drinking Water	2/02/12 15:44	2/04/12 11:10
HW41	1202001-30	Drinking Water	2/02/12 16:12	2/04/12 11:10
HW41-P	1202001-32	Drinking Water	2/02/12 15:54	2/04/12 11:10
TB17	1202001-34	Water	2/02/12 08:00	2/04/12 11:10
TB18	1202001-35	Water	2/02/12 08:05	2/04/12 11:10
TB19	1202001-36	Water	2/03/12 07:20	2/04/12 11:10
HW28b-P	1202001-43	Drinking Water	2/03/12 14:27	2/06/12 16:40
HW09	1202001-44	Drinking Water	2/03/12 15:20	2/06/12 16:40
HW09-P	1202001-45	Drinking Water	2/03/12 15:16	2/06/12 16:40
FB10	1202001-46	Water	2/03/12 14:09	2/06/12 16:40
TB20	1202001-47	Water	2/03/12 07:25	2/06/12 16:40
HW39-P	1202001-48	Water	2/03/12 11:13	2/06/12 16:40
TB21	1202001-49	Water	2/03/12 07:56	2/06/12 16:40
TB22	1202001-50	Water	2/03/12 11:17	2/06/12 16:40



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW42**Lab ID:** 1202001-01**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Alcohols
Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/04/12	02/04/12 14:16	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/04/12	02/04/12 14:16	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/04/12	02/04/12 14:16	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/04/12	02/04/12 14:16	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/04/12	02/04/12 14:16	EPA 8015D/R3QA203

**Semivolatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		60.0	1	02/05/12	02/06/12 19:00	R3QA201
Acenaphthylene	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
Acetophenone	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
Anthracene	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
Atrazine	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
Benzaldehyde	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
Benzo(a)anthracene	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
Benzo(a)pyrene	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
1,1-Biphenyl	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
Bis(2-chloroisopropyl)ether	U		60.0	1	02/05/12	02/06/12 19:00	R3QA201
Bis(2-ethylhexyl)phthalate	0.138	B, J	5.00	1	02/05/12	02/06/12 19:00	R3QA201
4-Bromophenyl phenyl ether	U		60.0	1	02/05/12	02/06/12 19:00	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
Carbazole	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
Caprolactam	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
4-Chloroaniline	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
2-Chloronaphthalene	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
2-Chlorophenol	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
Chrysene	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
Dibenzofuran	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201



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Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	0.045		B, J	5.00	1	02/05/12	02/06/12 19:00	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
Dimethyl phthalate	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
2,4-Dinitrophenol	U			60.0	1	02/05/12	02/06/12 19:00	R3QA201
Di-n-butyl phthalate	0.399		B, J	5.00	1	02/05/12	02/06/12 19:00	R3QA201
4,6-Dinitro-2-methylphenol	U			60.0	1	02/05/12	02/06/12 19:00	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
2,6-Dinitrotoluene	U			60.0	1	02/05/12	02/06/12 19:00	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
Fluoranthene	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
Fluorene	U			60.0	1	02/05/12	02/06/12 19:00	R3QA201
Hexachlorobenzene	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
Hexachlorobutadiene	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
Hexachloroethane	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
Isophorone	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
2-Methoxyethanol	U	R		60.0	1	02/05/12	02/06/12 19:00	R3QA201
1-Methylnaphthalene	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
2-Methylnaphthalene	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
2-Methylphenol	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
4-Methylphenol	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
Naphthalene	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
2-Nitroaniline	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
3-Nitroaniline	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
4-Nitroaniline	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
Nitrobenzene	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
2-Nitrophenol	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
4-Nitrophenol	U			10.0	1	02/05/12	02/06/12 19:00	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
Pentachlorophenol	U			60.0	1	02/05/12	02/06/12 19:00	R3QA201
Phenanthrene	U			60.0	1	02/05/12	02/06/12 19:00	R3QA201
Phenol	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
Pyrene	U			60.0	1	02/05/12	02/06/12 19:00	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/05/12	02/06/12 19:00	R3QA201



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW42**Lab ID:** 1202001-01**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Semivolatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/05/12	02/06/12 19:00	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	53.9		54 %	21-110	02/05/12	02/06/12 19:00	R3QA201
Surrogate: Phenol-d5	60.4		60 %	10-110	02/05/12	02/06/12 19:00	R3QA201
Surrogate: Nitrobenzene-d5	25.6		51 %	35-114	02/05/12	02/06/12 19:00	R3QA201
Surrogate: 2-Fluorobiphenyl	25.9		52 %	43-116	02/05/12	02/06/12 19:00	R3QA201
Surrogate: 2,4,6-Tribromophenol	61.1		61 %	10-123	02/05/12	02/06/12 19:00	R3QA201
Surrogate: Terphenyl-d14	32.2		64 %	33-141	02/05/12	02/06/12 19:00	R3QA201

**Volatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.7	B, J	2.0	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Bromoform	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210



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Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Toluene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210

1202001 FINAL PART 2 OF 3

DAS R33907

03 05 12 848

Page 9 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW42**Lab ID:** 1202001-01**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 12:12	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.810		95 %	86-115	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	3.990		100 %	76-114	02/08/12	02/08/12 12:12	CLP trace/R3QA210
Surrogate: Toluene-d8	4.220		106 %	88-110	02/08/12	02/08/12 12:12	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW46**Lab ID:** 1202001-03**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/04/12	02/04/12 14:29	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/04/12	02/04/12 14:29	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/04/12	02/04/12 14:29	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/04/12	02/04/12 14:29	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/04/12	02/04/12 14:29	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		57.1	1	02/05/12	02/06/12 19:50	R3QA201
Acenaphthylene	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
Acetophenone	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
Anthracene	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
Atrazine	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
Benzaldehyde	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
Benzo(a)anthracene	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
Benzo(a)pyrene	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
1,1-Biphenyl	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
Bis(2-chloroisopropyl)ether	U		57.1	1	02/05/12	02/06/12 19:50	R3QA201
Bis(2-ethylhexyl)phthalate	0.091	B, J	4.76	1	02/05/12	02/06/12 19:50	R3QA201
4-Bromophenyl phenyl ether	U		57.1	1	02/05/12	02/06/12 19:50	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
Carbazole	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
Caprolactam	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
4-Chloroaniline	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
2-Chloronaphthalene	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
2-Chlorophenol	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
Chrysene	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
Dibenzofuran	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201
3,3'-Dichlorobenzidine	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW46**Lab ID:** 1202001-03**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
2,4-Dichlorophenol	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
2,4-Dimethylphenol	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
Dimethyl phthalate	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
2,4-Dinitrophenol	U			57.1	1	02/05/12	02/06/12 19:50	R3QA201
Di-n-butyl phthalate	0.323	B, J		4.76	1	02/05/12	02/06/12 19:50	R3QA201
4,6-Dinitro-2-methylphenol	U			57.1	1	02/05/12	02/06/12 19:50	R3QA201
2,4-Dinitrotoluene	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
2,6-Dinitrotoluene	U			57.1	1	02/05/12	02/06/12 19:50	R3QA201
Di-n-octyl phthalate	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
Fluoranthene	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
Fluorene	U			57.1	1	02/05/12	02/06/12 19:50	R3QA201
Hexachlorobenzene	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
Hexachlorobutadiene	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
Hexachlorocyclopentadiene	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
Hexachloroethane	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
Indeno(1,2,3-cd)pyrene	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
Isophorone	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
2-Methoxyethanol	U	R		57.1	1	02/05/12	02/06/12 19:50	R3QA201
1-Methylnaphthalene	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
2-Methylnaphthalene	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
2-Methylphenol	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
4-Methylphenol	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
Naphthalene	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
2-Nitroaniline	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
3-Nitroaniline	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
4-Nitroaniline	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
Nitrobenzene	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
2-Nitrophenol	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
4-Nitrophenol	U			9.52	1	02/05/12	02/06/12 19:50	R3QA201
N-Nitrosodimethylamine	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
N-Nitroso-di-n-propylamine	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
N-Nitrosodiphenylamine	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
Pentachlorophenol	U			57.1	1	02/05/12	02/06/12 19:50	R3QA201
Phenanthrene	U			57.1	1	02/05/12	02/06/12 19:50	R3QA201
Phenol	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
Pyrene	U			57.1	1	02/05/12	02/06/12 19:50	R3QA201
1,2,4,5-Tetrachlorobenzene	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
2,3,4,6-Tetrachlorophenol	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201
2,4,5-Trichlorophenol	U			4.76	1	02/05/12	02/06/12 19:50	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW46**Lab ID:** 1202001-03**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Semivolatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		4.76	1	02/05/12	02/06/12 19:50	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	47.6		50 %	21-110	02/05/12	02/06/12 19:50	R3QA201
Surrogate: Phenol-d5	54.6		57 %	10-110	02/05/12	02/06/12 19:50	R3QA201
Surrogate: Nitrobenzene-d5	23.1		49 %	35-114	02/05/12	02/06/12 19:50	R3QA201
Surrogate: 2-Fluorobiphenyl	24.0		50 %	43-116	02/05/12	02/06/12 19:50	R3QA201
Surrogate: 2,4,6-Tribromophenol	57.4		60 %	10-123	02/05/12	02/06/12 19:50	R3QA201
Surrogate: Terphenyl-d14	31.1		65 %	33-141	02/05/12	02/06/12 19:50	R3QA201

**Volatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.4	B, J	2.0	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Bromoform	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW46**Lab ID:** 1202001-03**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Toluene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210

1202001 FINAL PART 2 OF 3

DAS R33907

03 05 12 848

Page 14 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW46**Lab ID:** 1202001-03**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 12:39	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.980		100 %	86-115	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.330		108 %	76-114	02/08/12	02/08/12 12:39	CLP trace/R3QA210
Surrogate: Toluene-d8	4.120		103 %	88-110	02/08/12	02/08/12 12:39	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW46-P**Lab ID:** 1202001-05**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/04/12	02/04/12 14:43	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/04/12	02/04/12 14:43	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/04/12	02/04/12 14:43	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/04/12	02/04/12 14:43	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/04/12	02/04/12 14:43	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		57.1	1	02/05/12	02/06/12 20:41	R3QA201
Acenaphthylene	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
Acetophenone	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
Anthracene	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
Atrazine	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
Benzaldehyde	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
Benzo(a)anthracene	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
Benzo(a)pyrene	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
1,1-Biphenyl	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
Bis(2-chloroisopropyl)ether	U		57.1	1	02/05/12	02/06/12 20:41	R3QA201
Bis(2-ethylhexyl)phthalate	0.073	B, J	4.76	1	02/05/12	02/06/12 20:41	R3QA201
4-Bromophenyl phenyl ether	U		57.1	1	02/05/12	02/06/12 20:41	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
Carbazole	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
Caprolactam	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
4-Chloroaniline	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
2-Chloronaphthalene	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
2-Chlorophenol	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
Chrysene	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
Dibenzofuran	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201
3,3'-Dichlorobenzidine	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW46-P**Lab ID:** 1202001-05**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
2,4-Dichlorophenol	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
2,4-Dimethylphenol	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
Dimethyl phthalate	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
2,4-Dinitrophenol	U			57.1	1	02/05/12	02/06/12 20:41	R3QA201
Di-n-butyl phthalate	0.270	B, J		4.76	1	02/05/12	02/06/12 20:41	R3QA201
4,6-Dinitro-2-methylphenol	U			57.1	1	02/05/12	02/06/12 20:41	R3QA201
2,4-Dinitrotoluene	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
2,6-Dinitrotoluene	U			57.1	1	02/05/12	02/06/12 20:41	R3QA201
Di-n-octyl phthalate	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
Fluoranthene	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
Fluorene	U			57.1	1	02/05/12	02/06/12 20:41	R3QA201
Hexachlorobenzene	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
Hexachlorobutadiene	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
Hexachlorocyclopentadiene	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
Hexachloroethane	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
Indeno(1,2,3-cd)pyrene	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
Isophorone	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
2-Methoxyethanol	U	R		57.1	1	02/05/12	02/06/12 20:41	R3QA201
1-Methylnaphthalene	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
2-Methylnaphthalene	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
2-Methylphenol	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
4-Methylphenol	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
Naphthalene	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
2-Nitroaniline	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
3-Nitroaniline	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
4-Nitroaniline	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
Nitrobenzene	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
2-Nitrophenol	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
4-Nitrophenol	U			9.52	1	02/05/12	02/06/12 20:41	R3QA201
N-Nitrosodimethylamine	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
N-Nitroso-di-n-propylamine	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
N-Nitrosodiphenylamine	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
Pentachlorophenol	U			57.1	1	02/05/12	02/06/12 20:41	R3QA201
Phenanthrene	U			57.1	1	02/05/12	02/06/12 20:41	R3QA201
Phenol	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
Pyrene	U			57.1	1	02/05/12	02/06/12 20:41	R3QA201
1,2,4,5-Tetrachlorobenzene	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
2,3,4,6-Tetrachlorophenol	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201
2,4,5-Trichlorophenol	U			4.76	1	02/05/12	02/06/12 20:41	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW46-P**Lab ID:** 1202001-05**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Semivolatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		4.76	1	02/05/12	02/06/12 20:41	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	107	A	113 %	21-110	02/05/12	02/06/12 20:41	R3QA201
Surrogate: Phenol-d5	119	A	125 %	10-110	02/05/12	02/06/12 20:41	R3QA201
Surrogate: Nitrobenzene-d5	51.4		108 %	35-114	02/05/12	02/06/12 20:41	R3QA201
Surrogate: 2-Fluorobiphenyl	49.4		104 %	43-116	02/05/12	02/06/12 20:41	R3QA201
Surrogate: 2,4,6-Tribromophenol	125	A	132 %	10-123	02/05/12	02/06/12 20:41	R3QA201
Surrogate: Terphenyl-d14	58.2		122 %	33-141	02/05/12	02/06/12 20:41	R3QA201

**Volatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.5	B, J	2.0	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Bromoform	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW46-P**Lab ID:** 1202001-05**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Freon 113	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Styrene	U			1.0	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Tetrachloroethene	0.1	J		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Toluene	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW46-P**Lab ID:** 1202001-05**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 13:06	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.850		96 %	86-115	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.180		104 %	76-114	02/08/12	02/08/12 13:06	CLP trace/R3QA210
Surrogate: Toluene-d8	4.150		104 %	88-110	02/08/12	02/08/12 13:06	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB15**Lab ID:** 1202001-06**Sample Matrix:** Water**Date Collected:** 02/02/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.9	J		2.0	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Benzene	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Bromoform	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Chloroform	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB15**Lab ID:** 1202001-06**Sample Matrix:** Water**Date Collected:** 02/02/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Methylene Chloride	0.1	J	0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Toluene	0.9		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 13:33	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.970		99 %	86-115	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.200		105 %	76-114	02/08/12	02/08/12 13:33	CLP trace/R3QA210
Surrogate: Toluene-d8	4.160		104 %	88-110	02/08/12	02/08/12 13:33	CLP trace/R3QA210



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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB09**Lab ID:** 1202001-07**Sample Matrix:** Water**Date Collected:** 02/02/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/04/12	02/04/12 14:57	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/04/12	02/04/12 14:57	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/04/12	02/04/12 14:57	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/04/12	02/04/12 14:57	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/04/12	02/04/12 14:57	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		60.0	1	02/05/12	02/06/12 21:32	R3QA201
Acenaphthylene	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
Acetophenone	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
Anthracene	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
Atrazine	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
Benzaldehyde	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
Benzo(a)anthracene	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
Benzo(a)pyrene	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
1,1-Biphenyl	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
Bis(2-chloroisopropyl)ether	U		60.0	1	02/05/12	02/06/12 21:32	R3QA201
Bis(2-ethylhexyl)phthalate	0.106	B, J	5.00	1	02/05/12	02/06/12 21:32	R3QA201
4-Bromophenyl phenyl ether	U		60.0	1	02/05/12	02/06/12 21:32	R3QA201
Butyl benzyl phthalate	0.020	J	5.00	1	02/05/12	02/06/12 21:32	R3QA201
Carbazole	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
Caprolactam	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
4-Chloroaniline	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
2-Chloronaphthalene	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
2-Chlorophenol	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
Chrysene	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
Dibenzofuran	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201



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Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB09**Lab ID:** 1202001-07**Sample Matrix:** Water**Date Collected:** 02/02/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	0.057		B, J	5.00	1	02/05/12	02/06/12 21:32	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
Dimethyl phthalate	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
2,4-Dinitrophenol	U			60.0	1	02/05/12	02/06/12 21:32	R3QA201
Di-n-butyl phthalate	0.667		B, J	5.00	1	02/05/12	02/06/12 21:32	R3QA201
4,6-Dinitro-2-methylphenol	U			60.0	1	02/05/12	02/06/12 21:32	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
2,6-Dinitrotoluene	U			60.0	1	02/05/12	02/06/12 21:32	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
Fluoranthene	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
Fluorene	U			60.0	1	02/05/12	02/06/12 21:32	R3QA201
Hexachlorobenzene	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
Hexachlorobutadiene	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
Hexachloroethane	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
Isophorone	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
2-Methoxyethanol	U	R		60.0	1	02/05/12	02/06/12 21:32	R3QA201
1-Methylnaphthalene	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
2-Methylnaphthalene	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
2-Methylphenol	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
4-Methylphenol	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
Naphthalene	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
2-Nitroaniline	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
3-Nitroaniline	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
4-Nitroaniline	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
Nitrobenzene	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
2-Nitrophenol	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
4-Nitrophenol	U			10.0	1	02/05/12	02/06/12 21:32	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
Pentachlorophenol	U			60.0	1	02/05/12	02/06/12 21:32	R3QA201
Phenanthrene	U			60.0	1	02/05/12	02/06/12 21:32	R3QA201
Phenol	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
Pyrene	U			60.0	1	02/05/12	02/06/12 21:32	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/05/12	02/06/12 21:32	R3QA201



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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB09**Lab ID:** 1202001-07**Sample Matrix:** Water**Date Collected:** 02/02/2012**Semivolatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/05/12	02/06/12 21:32	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	57.7		58 %	21-110	02/05/12	02/06/12 21:32	R3QA201
Surrogate: Phenol-d5	63.7		64 %	10-110	02/05/12	02/06/12 21:32	R3QA201
Surrogate: Nitrobenzene-d5	27.4		55 %	35-114	02/05/12	02/06/12 21:32	R3QA201
Surrogate: 2-Fluorobiphenyl	27.8		56 %	43-116	02/05/12	02/06/12 21:32	R3QA201
Surrogate: 2,4,6-Tribromophenol	62.2		62 %	10-123	02/05/12	02/06/12 21:32	R3QA201
Surrogate: Terphenyl-d14	36.0		72 %	33-141	02/05/12	02/06/12 21:32	R3QA201

**Volatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.4	J	2.0	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Bromoform	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB09**Lab ID:** 1202001-07**Sample Matrix:** Water**Date Collected:** 02/02/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Toluene	0.9		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210

1202001 FINAL PART 2 OF 3

DAS R33907

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Page 26 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB09**Lab ID:** 1202001-07**Sample Matrix:** Water**Date Collected:** 02/02/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
m-Xylene/p-Xylene	0.07	J	1.0	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 14:00	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.950		99 %	86-115	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.130		103 %	76-114	02/08/12	02/08/12 14:00	CLP trace/R3QA210
Surrogate: Toluene-d8	4.110		103 %	88-110	02/08/12	02/08/12 14:00	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB08**Lab ID:** 1202001-08**Sample Matrix:** Water**Date Collected:** 02/01/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/04/12	02/04/12 15:11	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/04/12	02/04/12 15:11	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/04/12	02/04/12 15:11	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/04/12	02/04/12 15:11	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/04/12	02/04/12 15:11	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		57.1	1	02/05/12	02/06/12 22:22	R3QA201
Acenaphthylene	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
Acetophenone	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
Anthracene	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
Atrazine	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
Benzaldehyde	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
Benzo(a)anthracene	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
Benzo(a)pyrene	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
1,1-Biphenyl	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
Bis(2-chloroisopropyl)ether	U		57.1	1	02/05/12	02/06/12 22:22	R3QA201
Bis(2-ethylhexyl)phthalate	0.070	B, J	4.76	1	02/05/12	02/06/12 22:22	R3QA201
4-Bromophenyl phenyl ether	U		57.1	1	02/05/12	02/06/12 22:22	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
Carbazole	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
Caprolactam	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
4-Chloroaniline	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
2-Chloronaphthalene	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
2-Chlorophenol	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
Chrysene	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
Dibenzofuran	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201
3,3'-Dichlorobenzidine	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB08**Lab ID:** 1202001-08**Sample Matrix:** Water**Date Collected:** 02/01/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	0.043		B, J	4.76	1	02/05/12	02/06/12 22:22	R3QA201
2,4-Dichlorophenol	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
2,4-Dimethylphenol	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
Dimethyl phthalate	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
2,4-Dinitrophenol	U			57.1	1	02/05/12	02/06/12 22:22	R3QA201
Di-n-butyl phthalate	0.397		B, J	4.76	1	02/05/12	02/06/12 22:22	R3QA201
4,6-Dinitro-2-methylphenol	U			57.1	1	02/05/12	02/06/12 22:22	R3QA201
2,4-Dinitrotoluene	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
2,6-Dinitrotoluene	U			57.1	1	02/05/12	02/06/12 22:22	R3QA201
Di-n-octyl phthalate	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
Fluoranthene	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
Fluorene	U			57.1	1	02/05/12	02/06/12 22:22	R3QA201
Hexachlorobenzene	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
Hexachlorobutadiene	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
Hexachlorocyclopentadiene	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
Hexachloroethane	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
Indeno(1,2,3-cd)pyrene	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
Isophorone	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
2-Methoxyethanol	U	R		57.1	1	02/05/12	02/06/12 22:22	R3QA201
1-Methylnaphthalene	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
2-Methylnaphthalene	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
2-Methylphenol	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
4-Methylphenol	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
Naphthalene	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
2-Nitroaniline	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
3-Nitroaniline	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
4-Nitroaniline	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
Nitrobenzene	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
2-Nitrophenol	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
4-Nitrophenol	U			9.52	1	02/05/12	02/06/12 22:22	R3QA201
N-Nitrosodimethylamine	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
N-Nitroso-di-n-propylamine	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
N-Nitrosodiphenylamine	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
Pentachlorophenol	U			57.1	1	02/05/12	02/06/12 22:22	R3QA201
Phenanthrene	U			57.1	1	02/05/12	02/06/12 22:22	R3QA201
Phenol	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
Pyrene	U			57.1	1	02/05/12	02/06/12 22:22	R3QA201
1,2,4,5-Tetrachlorobenzene	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
2,3,4,6-Tetrachlorophenol	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201
2,4,5-Trichlorophenol	U			4.76	1	02/05/12	02/06/12 22:22	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB08**Lab ID:** 1202001-08**Sample Matrix:** Water**Date Collected:** 02/01/2012**Semivolatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		4.76	1	02/05/12	02/06/12 22:22	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	62.1		65 %	21-110	02/05/12	02/06/12 22:22	R3QA201
Surrogate: Phenol-d5	67.9		71 %	10-110	02/05/12	02/06/12 22:22	R3QA201
Surrogate: Nitrobenzene-d5	29.7		62 %	35-114	02/05/12	02/06/12 22:22	R3QA201
Surrogate: 2-Fluorobiphenyl	29.5		62 %	43-116	02/05/12	02/06/12 22:22	R3QA201
Surrogate: 2,4,6-Tribromophenol	62.4		66 %	10-123	02/05/12	02/06/12 22:22	R3QA201
Surrogate: Terphenyl-d14	35.2		74 %	33-141	02/05/12	02/06/12 22:22	R3QA201

**Volatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	2.2	J	2.0	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Bromoform	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Bromodichloromethane	0.06	J	0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
2-Butanone	0.6	J	2.0	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Chloroform	0.1	J	0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB08**Lab ID:** 1202001-08**Sample Matrix:** Water**Date Collected:** 02/01/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Freon 113	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Styrene	U			1.0	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Toluene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210

1202001 FINAL PART 2 OF 3

DAS R33907

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Page 31 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB08**Lab ID:** 1202001-08**Sample Matrix:** Water**Date Collected:** 02/01/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210
o-Xylene	0.1	J	1.0	1	02/08/12	02/08/12 14:27	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.960		99 %	86-115	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.160		104 %	76-114	02/08/12	02/08/12 14:27	CLP trace/R3QA210
Surrogate: Toluene-d8	4.250		106 %	88-110	02/08/12	02/08/12 14:27	CLP trace/R3QA210



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Region 3 Environmental Science Center
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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW34a**Lab ID:** 1202001-10**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/04/12	02/04/12 15:24	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/04/12	02/04/12 15:24	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/04/12	02/04/12 15:24	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/04/12	02/04/12 15:24	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/04/12	02/04/12 15:24	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		57.1	1	02/05/12	02/06/12 23:13	R3QA201
Acenaphthylene	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
Acetophenone	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
Anthracene	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
Atrazine	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
Benzaldehyde	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
Benzo(a)anthracene	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
Benzo(a)pyrene	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
1,1-Biphenyl	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
Bis(2-chloroisopropyl)ether	U		57.1	1	02/05/12	02/06/12 23:13	R3QA201
Bis(2-ethylhexyl)phthalate	0.090	B, J	4.76	1	02/05/12	02/06/12 23:13	R3QA201
4-Bromophenyl phenyl ether	U		57.1	1	02/05/12	02/06/12 23:13	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
Carbazole	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
Caprolactam	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
4-Chloroaniline	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
2-Chloronaphthalene	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
2-Chlorophenol	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
Chrysene	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
Dibenzofuran	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201
3,3'-Dichlorobenzidine	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW34a**Lab ID:** 1202001-10**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
2,4-Dichlorophenol	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
2,4-Dimethylphenol	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
Dimethyl phthalate	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
2,4-Dinitrophenol	U			57.1	1	02/05/12	02/06/12 23:13	R3QA201
Di-n-butyl phthalate	0.317	B, J		4.76	1	02/05/12	02/06/12 23:13	R3QA201
4,6-Dinitro-2-methylphenol	U			57.1	1	02/05/12	02/06/12 23:13	R3QA201
2,4-Dinitrotoluene	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
2,6-Dinitrotoluene	U			57.1	1	02/05/12	02/06/12 23:13	R3QA201
Di-n-octyl phthalate	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
Fluoranthene	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
Fluorene	U			57.1	1	02/05/12	02/06/12 23:13	R3QA201
Hexachlorobenzene	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
Hexachlorobutadiene	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
Hexachlorocyclopentadiene	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
Hexachloroethane	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
Indeno(1,2,3-cd)pyrene	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
Isophorone	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
2-Methoxyethanol	U	R		57.1	1	02/05/12	02/06/12 23:13	R3QA201
1-Methylnaphthalene	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
2-Methylnaphthalene	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
2-Methylphenol	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
4-Methylphenol	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
Naphthalene	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
2-Nitroaniline	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
3-Nitroaniline	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
4-Nitroaniline	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
Nitrobenzene	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
2-Nitrophenol	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
4-Nitrophenol	U			9.52	1	02/05/12	02/06/12 23:13	R3QA201
N-Nitrosodimethylamine	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
N-Nitroso-di-n-propylamine	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
N-Nitrosodiphenylamine	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
Pentachlorophenol	U			57.1	1	02/05/12	02/06/12 23:13	R3QA201
Phenanthrene	U			57.1	1	02/05/12	02/06/12 23:13	R3QA201
Phenol	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
Pyrene	U			57.1	1	02/05/12	02/06/12 23:13	R3QA201
1,2,4,5-Tetrachlorobenzene	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
2,3,4,6-Tetrachlorophenol	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201
2,4,5-Trichlorophenol	U			4.76	1	02/05/12	02/06/12 23:13	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW34a**Lab ID:** 1202001-10**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012**Semivolatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		4.76	1	02/05/12	02/06/12 23:13	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	48.1		50 %	21-110	02/05/12	02/06/12 23:13	R3QA201
Surrogate: Phenol-d5	55.1		58 %	10-110	02/05/12	02/06/12 23:13	R3QA201
Surrogate: Nitrobenzene-d5	24.2		51 %	35-114	02/05/12	02/06/12 23:13	R3QA201
Surrogate: 2-Fluorobiphenyl	24.1		51 %	43-116	02/05/12	02/06/12 23:13	R3QA201
Surrogate: 2,4,6-Tribromophenol	51.8		54 %	10-123	02/05/12	02/06/12 23:13	R3QA201
Surrogate: Terphenyl-d14	30.4		64 %	33-141	02/05/12	02/06/12 23:13	R3QA201

**Volatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.0	B, J	2.0	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Bromoform	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Carbon disulfide	1.4		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210



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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW34a**Lab ID:** 1202001-10**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Toluene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210

1202001 FINAL PART 2 OF 3

DAS R33907

03 05 12 848

Page 36 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW34a**Lab ID:** 1202001-10**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 14:54	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.900		98 %	86-115	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.160		104 %	76-114	02/08/12	02/08/12 14:54	CLP trace/R3QA210
Surrogate: Toluene-d8	4.120		103 %	88-110	02/08/12	02/08/12 14:54	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW42z**Lab ID:** 1202001-13**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/04/12	02/04/12 15:38	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/04/12	02/04/12 15:38	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/04/12	02/04/12 15:38	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/04/12	02/04/12 15:38	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/04/12	02/04/12 15:38	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		60.0	1	02/05/12	02/07/12 00:03	R3QA201
Acenaphthylene	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
Acetophenone	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
Anthracene	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
Atrazine	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
Benzaldehyde	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
Benzo(a)anthracene	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
Benzo(a)pyrene	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
1,1-Biphenyl	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
Bis(2-chloroisopropyl)ether	U		60.0	1	02/05/12	02/07/12 00:03	R3QA201
Bis(2-ethylhexyl)phthalate	0.065	B, J	5.00	1	02/05/12	02/07/12 00:03	R3QA201
4-Bromophenyl phenyl ether	U		60.0	1	02/05/12	02/07/12 00:03	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
Carbazole	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
Caprolactam	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
4-Chloroaniline	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
2-Chloronaphthalene	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
2-Chlorophenol	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
Chrysene	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
Dibenzofuran	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW42z**Lab ID:** 1202001-13**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
Dimethyl phthalate	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
2,4-Dinitrophenol	U			60.0	1	02/05/12	02/07/12 00:03	R3QA201
Di-n-butyl phthalate	0.274		B, J	5.00	1	02/05/12	02/07/12 00:03	R3QA201
4,6-Dinitro-2-methylphenol	U			60.0	1	02/05/12	02/07/12 00:03	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
2,6-Dinitrotoluene	U			60.0	1	02/05/12	02/07/12 00:03	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
Fluoranthene	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
Fluorene	U			60.0	1	02/05/12	02/07/12 00:03	R3QA201
Hexachlorobenzene	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
Hexachlorobutadiene	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
Hexachloroethane	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
Isophorone	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
2-Methoxyethanol	U	R		60.0	1	02/05/12	02/07/12 00:03	R3QA201
1-Methylnaphthalene	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
2-Methylnaphthalene	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
2-Methylphenol	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
4-Methylphenol	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
Naphthalene	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
2-Nitroaniline	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
3-Nitroaniline	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
4-Nitroaniline	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
Nitrobenzene	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
2-Nitrophenol	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
4-Nitrophenol	U			10.0	1	02/05/12	02/07/12 00:03	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
Pentachlorophenol	U			60.0	1	02/05/12	02/07/12 00:03	R3QA201
Phenanthrene	U			60.0	1	02/05/12	02/07/12 00:03	R3QA201
Phenol	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
Pyrene	U			60.0	1	02/05/12	02/07/12 00:03	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/05/12	02/07/12 00:03	R3QA201

1202001 FINAL PART 2 OF 3

DAS R33907

03 05 12 848

Page 39 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Station ID: HW42z

Lab ID: 1202001-13

Sample Matrix: Drinking Water

Date Collected: 02/02/2012

Semivolatile Organic Compounds Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/05/12	02/07/12 00:03	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	57.6		58 %	21-110	02/05/12	02/07/12 00:03	R3QA201
Surrogate: Phenol-d5	63.6		64 %	10-110	02/05/12	02/07/12 00:03	R3QA201
Surrogate: Nitrobenzene-d5	28.0		56 %	35-114	02/05/12	02/07/12 00:03	R3QA201
Surrogate: 2-Fluorobiphenyl	27.3		55 %	43-116	02/05/12	02/07/12 00:03	R3QA201
Surrogate: 2,4,6-Tribromophenol	61.7		62 %	10-123	02/05/12	02/07/12 00:03	R3QA201
Surrogate: Terphenyl-d14	31.0		62 %	33-141	02/05/12	02/07/12 00:03	R3QA201

Volatile Organic Compounds Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.3	B, J	2.0	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Bromoform	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW42z**Lab ID:** 1202001-13**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Toluene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210

1202001 FINAL PART 2 OF 3

DAS R33907

03 05 12 848

Page 41 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW42z**Lab ID:** 1202001-13**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 15:21	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.830		96 %	86-115	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.280		107 %	76-114	02/08/12	02/08/12 15:21	CLP trace/R3QA210
Surrogate: Toluene-d8	4.110		103 %	88-110	02/08/12	02/08/12 15:21	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB16**Lab ID:** 1202001-15**Sample Matrix:** Water**Date Collected:** 02/02/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	4.3	J		2.0	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Benzene	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Bromoform	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Chloroform	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210



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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB16**Lab ID:** 1202001-15**Sample Matrix:** Water**Date Collected:** 02/02/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Methylene Chloride	0.1	J	0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Toluene	0.9		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 15:48	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.930		98 %	86-115	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.310		108 %	76-114	02/08/12	02/08/12 15:48	CLP trace/R3QA210
Surrogate: Toluene-d8	4.220		106 %	88-110	02/08/12	02/08/12 15:48	CLP trace/R3QA210



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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW34a-P**Lab ID:** 1202001-17**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/04/12	02/04/12 15:52	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/04/12	02/04/12 15:52	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/04/12	02/04/12 15:52	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/04/12	02/04/12 15:52	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/04/12	02/04/12 15:52	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		60.0	1	02/05/12	02/07/12 00:53	R3QA201
Acenaphthylene	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
Acetophenone	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
Anthracene	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
Atrazine	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
Benzaldehyde	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
Benzo(a)anthracene	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
Benzo(a)pyrene	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
1,1-Biphenyl	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
Bis(2-chloroisopropyl)ether	U		60.0	1	02/05/12	02/07/12 00:53	R3QA201
Bis(2-ethylhexyl)phthalate	0.080	B, J	5.00	1	02/05/12	02/07/12 00:53	R3QA201
4-Bromophenyl phenyl ether	U		60.0	1	02/05/12	02/07/12 00:53	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
Carbazole	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
Caprolactam	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
4-Chloroaniline	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
2-Chloronaphthalene	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
2-Chlorophenol	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
Chrysene	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
Dibenzofuran	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201



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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW34a-P**Lab ID:** 1202001-17**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	0.035		B, J	5.00	1	02/05/12	02/07/12 00:53	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
Dimethyl phthalate	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
2,4-Dinitrophenol	U			60.0	1	02/05/12	02/07/12 00:53	R3QA201
Di-n-butyl phthalate	0.325		B, J	5.00	1	02/05/12	02/07/12 00:53	R3QA201
4,6-Dinitro-2-methylphenol	U			60.0	1	02/05/12	02/07/12 00:53	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
2,6-Dinitrotoluene	U			60.0	1	02/05/12	02/07/12 00:53	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
Fluoranthene	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
Fluorene	U			60.0	1	02/05/12	02/07/12 00:53	R3QA201
Hexachlorobenzene	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
Hexachlorobutadiene	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
Hexachloroethane	U	UJ		5.00	1	02/05/12	02/07/12 00:53	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
Isophorone	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
2-Methoxyethanol	U	R		60.0	1	02/05/12	02/07/12 00:53	R3QA201
1-Methylnaphthalene	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
2-Methylnaphthalene	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
2-Methylphenol	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
4-Methylphenol	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
Naphthalene	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
2-Nitroaniline	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
3-Nitroaniline	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
4-Nitroaniline	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
Nitrobenzene	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
2-Nitrophenol	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
4-Nitrophenol	U			10.0	1	02/05/12	02/07/12 00:53	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
Pentachlorophenol	U			60.0	1	02/05/12	02/07/12 00:53	R3QA201
Phenanthrene	U			60.0	1	02/05/12	02/07/12 00:53	R3QA201
Phenol	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
Pyrene	U			60.0	1	02/05/12	02/07/12 00:53	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/05/12	02/07/12 00:53	R3QA201



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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW34a-P**Lab ID:** 1202001-17**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012**Semivolatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/05/12	02/07/12 00:53	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	60.7		61 %	21-110	02/05/12	02/07/12 00:53	R3QA201
Surrogate: Phenol-d5	66.1		66 %	10-110	02/05/12	02/07/12 00:53	R3QA201
Surrogate: Nitrobenzene-d5	29.6		59 %	35-114	02/05/12	02/07/12 00:53	R3QA201
Surrogate: 2-Fluorobiphenyl	28.5		57 %	43-116	02/05/12	02/07/12 00:53	R3QA201
Surrogate: 2,4,6-Tribromophenol	61.1		61 %	10-123	02/05/12	02/07/12 00:53	R3QA201
Surrogate: Terphenyl-d14	31.8		64 %	33-141	02/05/12	02/07/12 00:53	R3QA201

**Volatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.3	B, J	2.0	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Bromoform	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW34a-P**Lab ID:** 1202001-17**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
trans-1,2-Dichloroethene	0.1	J		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Freon 113	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Styrene	U			1.0	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Toluene	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW34a-P**Lab ID:** 1202001-17**Sample Matrix:** Drinking Water**Date Collected:** 02/01/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 16:15	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.890		97 %	86-115	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.250		106 %	76-114	02/08/12	02/08/12 16:15	CLP trace/R3QA210
Surrogate: Toluene-d8	4.150		104 %	88-110	02/08/12	02/08/12 16:15	CLP trace/R3QA210



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Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB14**Lab ID:** 1202001-19**Sample Matrix:** Water**Date Collected:** 02/01/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	2.8	J		2.0	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Benzene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Bromoform	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Bromodichloromethane	0.07	J		0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
2-Butanone	0.8	J		2.0	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Chloroform	0.1	J		0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB14**Lab ID:** 1202001-19**Sample Matrix:** Water**Date Collected:** 02/01/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Styrene	U			1.0	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Toluene	0.06	J		0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210
o-Xylene	0.1	J		1.0	1	02/08/12	02/08/12 16:42	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.950			99 %	86-115	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.360			109 %	76-114	02/08/12	02/08/12 16:42	CLP trace/R3QA210
Surrogate: Toluene-d8	4.170			104 %	88-110	02/08/12	02/08/12 16:42	CLP trace/R3QA210



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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW28a**Lab ID:** 1202001-20**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/07/12	02/08/12 10:41	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/07/12	02/08/12 10:41	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/07/12	02/08/12 10:41	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/07/12	02/08/12 10:41	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/07/12	02/08/12 10:41	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		60.0	1	02/05/12	02/07/12 04:15	R3QA201
Acenaphthylene	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
Acetophenone	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
Anthracene	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
Atrazine	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
Benzaldehyde	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
Benzo(a)anthracene	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
Benzo(a)pyrene	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
1,1-Biphenyl	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
Bis(2-chloroisopropyl)ether	U		60.0	1	02/05/12	02/07/12 04:15	R3QA201
Bis(2-ethylhexyl)phthalate	0.086	B, J	5.00	1	02/05/12	02/07/12 04:15	R3QA201
4-Bromophenyl phenyl ether	U		60.0	1	02/05/12	02/07/12 04:15	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
Carbazole	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
Caprolactam	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
4-Chloroaniline	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
2-Chloronaphthalene	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
2-Chlorophenol	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
Chrysene	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
Dibenzofuran	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201



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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW28a**Lab ID:** 1202001-20**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	0.034		B, J	5.00	1	02/05/12	02/07/12 04:15	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
Dimethyl phthalate	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
2,4-Dinitrophenol	U			60.0	1	02/05/12	02/07/12 04:15	R3QA201
Di-n-butyl phthalate	0.338		B, J	5.00	1	02/05/12	02/07/12 04:15	R3QA201
4,6-Dinitro-2-methylphenol	U			60.0	1	02/05/12	02/07/12 04:15	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
2,6-Dinitrotoluene	U			60.0	1	02/05/12	02/07/12 04:15	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
Fluoranthene	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
Fluorene	U			60.0	1	02/05/12	02/07/12 04:15	R3QA201
Hexachlorobenzene	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
Hexachlorobutadiene	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
Hexachloroethane	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
Isophorone	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
2-Methoxyethanol	U	R		60.0	1	02/05/12	02/07/12 04:15	R3QA201
1-Methylnaphthalene	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
2-Methylnaphthalene	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
2-Methylphenol	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
4-Methylphenol	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
Naphthalene	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
2-Nitroaniline	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
3-Nitroaniline	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
4-Nitroaniline	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
Nitrobenzene	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
2-Nitrophenol	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
4-Nitrophenol	U			10.0	1	02/05/12	02/07/12 04:15	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
Pentachlorophenol	U			60.0	1	02/05/12	02/07/12 04:15	R3QA201
Phenanthrene	U			60.0	1	02/05/12	02/07/12 04:15	R3QA201
Phenol	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
Pyrene	U			60.0	1	02/05/12	02/07/12 04:15	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/05/12	02/07/12 04:15	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW28a**Lab ID:** 1202001-20**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012**Semivolatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/05/12	02/07/12 04:15	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	59.7		60 %	21-110	02/05/12	02/07/12 04:15	R3QA201
Surrogate: Phenol-d5	65.9		66 %	10-110	02/05/12	02/07/12 04:15	R3QA201
Surrogate: Nitrobenzene-d5	29.9		60 %	35-114	02/05/12	02/07/12 04:15	R3QA201
Surrogate: 2-Fluorobiphenyl	29.4		59 %	43-116	02/05/12	02/07/12 04:15	R3QA201
Surrogate: 2,4,6-Tribromophenol	66.3		66 %	10-123	02/05/12	02/07/12 04:15	R3QA201
Surrogate: Terphenyl-d14	33.1		66 %	33-141	02/05/12	02/07/12 04:15	R3QA201

**Volatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		2.0	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Bromoform	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW28a**Lab ID:** 1202001-20**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Toluene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210

1202001 FINAL PART 2 OF 3

DAS R33907

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Page 55 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW28a**Lab ID:** 1202001-20**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 17:09	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.980		100 %	86-115	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.350		109 %	76-114	02/08/12	02/08/12 17:09	CLP trace/R3QA210
Surrogate: Toluene-d8	4.210		105 %	88-110	02/08/12	02/08/12 17:09	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW28a-P**Lab ID:** 1202001-22**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/07/12	02/08/12 11:22	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/07/12	02/08/12 11:22	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/07/12	02/08/12 11:22	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/07/12	02/08/12 11:22	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/07/12	02/08/12 11:22	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		57.1	1	02/05/12	02/07/12 05:05	R3QA201
Acenaphthylene	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
Acetophenone	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
Anthracene	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
Atrazine	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
Benzaldehyde	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
Benzo(a)anthracene	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
Benzo(a)pyrene	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
1,1-Biphenyl	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
Bis(2-chloroisopropyl)ether	U		57.1	1	02/05/12	02/07/12 05:05	R3QA201
Bis(2-ethylhexyl)phthalate	0.108	B, J	4.76	1	02/05/12	02/07/12 05:05	R3QA201
4-Bromophenyl phenyl ether	U		57.1	1	02/05/12	02/07/12 05:05	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
Carbazole	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
Caprolactam	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
4-Chloroaniline	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
2-Chloronaphthalene	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
2-Chlorophenol	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
Chrysene	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
Dibenzofuran	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201
3,3'-Dichlorobenzidine	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW28a-P**Lab ID:** 1202001-22**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	0.050		B, J	4.76	1	02/05/12	02/07/12 05:05	R3QA201
2,4-Dichlorophenol	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
2,4-Dimethylphenol	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
Dimethyl phthalate	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
2,4-Dinitrophenol	U			57.1	1	02/05/12	02/07/12 05:05	R3QA201
Di-n-butyl phthalate	0.404		B, J	4.76	1	02/05/12	02/07/12 05:05	R3QA201
4,6-Dinitro-2-methylphenol	U			57.1	1	02/05/12	02/07/12 05:05	R3QA201
2,4-Dinitrotoluene	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
2,6-Dinitrotoluene	U			57.1	1	02/05/12	02/07/12 05:05	R3QA201
Di-n-octyl phthalate	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
Fluoranthene	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
Fluorene	U			57.1	1	02/05/12	02/07/12 05:05	R3QA201
Hexachlorobenzene	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
Hexachlorobutadiene	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
Hexachlorocyclopentadiene	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
Hexachloroethane	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
Indeno(1,2,3-cd)pyrene	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
Isophorone	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
2-Methoxyethanol	U	R		57.1	1	02/05/12	02/07/12 05:05	R3QA201
1-Methylnaphthalene	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
2-Methylnaphthalene	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
2-Methylphenol	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
4-Methylphenol	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
Naphthalene	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
2-Nitroaniline	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
3-Nitroaniline	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
4-Nitroaniline	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
Nitrobenzene	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
2-Nitrophenol	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
4-Nitrophenol	U			9.52	1	02/05/12	02/07/12 05:05	R3QA201
N-Nitrosodimethylamine	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
N-Nitroso-di-n-propylamine	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
N-Nitrosodiphenylamine	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
Pentachlorophenol	U			57.1	1	02/05/12	02/07/12 05:05	R3QA201
Phenanthrene	U			57.1	1	02/05/12	02/07/12 05:05	R3QA201
Phenol	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
Pyrene	U			57.1	1	02/05/12	02/07/12 05:05	R3QA201
1,2,4,5-Tetrachlorobenzene	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
2,3,4,6-Tetrachlorophenol	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201
2,4,5-Trichlorophenol	U			4.76	1	02/05/12	02/07/12 05:05	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Station ID: HW28a-P

Lab ID: 1202001-22

Sample Matrix: Drinking Water

Date Collected: 02/03/2012

Semivolatile Organic Compounds Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		4.76	1	02/05/12	02/07/12 05:05	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	53.7		56 %	21-110	02/05/12	02/07/12 05:05	R3QA201
Surrogate: Phenol-d5	60.6		64 %	10-110	02/05/12	02/07/12 05:05	R3QA201
Surrogate: Nitrobenzene-d5	27.9		59 %	35-114	02/05/12	02/07/12 05:05	R3QA201
Surrogate: 2-Fluorobiphenyl	26.7		56 %	43-116	02/05/12	02/07/12 05:05	R3QA201
Surrogate: 2,4,6-Tribromophenol	62.1		65 %	10-123	02/05/12	02/07/12 05:05	R3QA201
Surrogate: Terphenyl-d14	31.1		65 %	33-141	02/05/12	02/07/12 05:05	R3QA201

Volatile Organic Compounds Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.7	B, J	2.0	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Bromoform	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW28a-P**Lab ID:** 1202001-22**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Toluene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210

1202001 FINAL PART 2 OF 3

DAS R33907

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Page 60 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW28a-P**Lab ID:** 1202001-22**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 17:36	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.990		100 %	86-115	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.210		105 %	76-114	02/08/12	02/08/12 17:36	CLP trace/R3QA210
Surrogate: Toluene-d8	4.160		104 %	88-110	02/08/12	02/08/12 17:36	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW39**Lab ID:** 1202001-23**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/07/12	02/08/12 11:35	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/07/12	02/08/12 11:35	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/07/12	02/08/12 11:35	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/07/12	02/08/12 11:35	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/07/12	02/08/12 11:35	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		57.1	1	02/05/12	02/07/12 05:56	R3QA201
Acenaphthylene	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
Acetophenone	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
Anthracene	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
Atrazine	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
Benzaldehyde	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
Benzo(a)anthracene	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
Benzo(a)pyrene	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
1,1-Biphenyl	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
Bis(2-chloroisopropyl)ether	U		57.1	1	02/05/12	02/07/12 05:56	R3QA201
Bis(2-ethylhexyl)phthalate	5.51	B	4.76	1	02/05/12	02/07/12 05:56	R3QA201
4-Bromophenyl phenyl ether	U		57.1	1	02/05/12	02/07/12 05:56	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
Carbazole	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
Caprolactam	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
4-Chloroaniline	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
2-Chloronaphthalene	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
2-Chlorophenol	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
Chrysene	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
Dibenzofuran	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201
3,3'-Dichlorobenzidine	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW39**Lab ID:** 1202001-23**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	0.046		B, J	4.76	1	02/05/12	02/07/12 05:56	R3QA201
2,4-Dichlorophenol	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
2,4-Dimethylphenol	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
Dimethyl phthalate	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
2,4-Dinitrophenol	U			57.1	1	02/05/12	02/07/12 05:56	R3QA201
Di-n-butyl phthalate	0.636		B, J	4.76	1	02/05/12	02/07/12 05:56	R3QA201
4,6-Dinitro-2-methylphenol	U			57.1	1	02/05/12	02/07/12 05:56	R3QA201
2,4-Dinitrotoluene	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
2,6-Dinitrotoluene	U			57.1	1	02/05/12	02/07/12 05:56	R3QA201
Di-n-octyl phthalate	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
Fluoranthene	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
Fluorene	U			57.1	1	02/05/12	02/07/12 05:56	R3QA201
Hexachlorobenzene	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
Hexachlorobutadiene	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
Hexachlorocyclopentadiene	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
Hexachloroethane	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
Indeno(1,2,3-cd)pyrene	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
Isophorone	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
2-Methoxyethanol	U	R		57.1	1	02/05/12	02/07/12 05:56	R3QA201
1-Methylnaphthalene	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
2-Methylnaphthalene	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
2-Methylphenol	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
4-Methylphenol	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
Naphthalene	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
2-Nitroaniline	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
3-Nitroaniline	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
4-Nitroaniline	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
Nitrobenzene	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
2-Nitrophenol	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
4-Nitrophenol	U			9.52	1	02/05/12	02/07/12 05:56	R3QA201
N-Nitrosodimethylamine	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
N-Nitroso-di-n-propylamine	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
N-Nitrosodiphenylamine	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
Pentachlorophenol	U			57.1	1	02/05/12	02/07/12 05:56	R3QA201
Phenanthrene	U			57.1	1	02/05/12	02/07/12 05:56	R3QA201
Phenol	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
Pyrene	U			57.1	1	02/05/12	02/07/12 05:56	R3QA201
1,2,4,5-Tetrachlorobenzene	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
2,3,4,6-Tetrachlorophenol	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201
2,4,5-Trichlorophenol	U			4.76	1	02/05/12	02/07/12 05:56	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW39**Lab ID:** 1202001-23**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012**Semivolatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		4.76	1	02/05/12	02/07/12 05:56	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	45.7		48 %	21-110	02/05/12	02/07/12 05:56	R3QA201
Surrogate: Phenol-d5	50.9		53 %	10-110	02/05/12	02/07/12 05:56	R3QA201
Surrogate: Nitrobenzene-d5	23.8		50 %	35-114	02/05/12	02/07/12 05:56	R3QA201
Surrogate: 2-Fluorobiphenyl	22.2		47 %	43-116	02/05/12	02/07/12 05:56	R3QA201
Surrogate: 2,4,6-Tribromophenol	53.0		56 %	10-123	02/05/12	02/07/12 05:56	R3QA201
Surrogate: Terphenyl-d14	27.1		57 %	33-141	02/05/12	02/07/12 05:56	R3QA201

**Volatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.8	B, J	2.0	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Bromoform	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW39**Lab ID:** 1202001-23**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Toluene	0.06	B, J	0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210

1202001 FINAL PART 2 OF 3

DAS R33907

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Page 65 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW39**Lab ID:** 1202001-23**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 18:03	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.860		96 %	86-115	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.250		106 %	76-114	02/08/12	02/08/12 18:03	CLP trace/R3QA210
Surrogate: Toluene-d8	4.080		102 %	88-110	02/08/12	02/08/12 18:03	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW39-P**Lab ID:** 1202001-24**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/07/12	02/08/12 11:49	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/07/12	02/08/12 11:49	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/07/12	02/08/12 11:49	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/07/12	02/08/12 11:49	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/07/12	02/08/12 11:49	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		60.0	1	02/05/12	02/07/12 06:46	R3QA201
Acenaphthylene	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
Acetophenone	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
Anthracene	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
Atrazine	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
Benzaldehyde	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
Benzo(a)anthracene	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
Benzo(a)pyrene	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
1,1-Biphenyl	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
Bis(2-chloroisopropyl)ether	U		60.0	1	02/05/12	02/07/12 06:46	R3QA201
Bis(2-ethylhexyl)phthalate	0.118	B, J	5.00	1	02/05/12	02/07/12 06:46	R3QA201
4-Bromophenyl phenyl ether	U		60.0	1	02/05/12	02/07/12 06:46	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
Carbazole	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
Caprolactam	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
4-Chloroaniline	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
2-Chloronaphthalene	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
2-Chlorophenol	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
Chrysene	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
Dibenzofuran	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/05/12	02/07/12 06:46	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW39-P**Lab ID:** 1202001-24**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	0.044		B, J	5.00	1	02/05/12	02/07/12 06:46	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
Dimethyl phthalate	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
2,4-Dinitrophenol	U			60.0	1	02/05/12	02/07/12 06:46	R3QA201
Di-n-butyl phthalate	0.560		B, J	5.00	1	02/05/12	02/07/12 06:46	R3QA201
4,6-Dinitro-2-methylphenol	U			60.0	1	02/05/12	02/07/12 06:46	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
2,6-Dinitrotoluene	U			60.0	1	02/05/12	02/07/12 06:46	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
Fluoranthene	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
Fluorene	U			60.0	1	02/05/12	02/07/12 06:46	R3QA201
Hexachlorobenzene	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
Hexachlorobutadiene	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
Hexachloroethane	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
Isophorone	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
2-Methoxyethanol	U	R		60.0	1	02/05/12	02/07/12 06:46	R3QA201
1-Methylnaphthalene	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
2-Methylnaphthalene	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
2-Methylphenol	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
4-Methylphenol	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
Naphthalene	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
2-Nitroaniline	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
3-Nitroaniline	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
4-Nitroaniline	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
Nitrobenzene	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
2-Nitrophenol	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
4-Nitrophenol	U			10.0	1	02/05/12	02/07/12 06:46	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
Pentachlorophenol	U			60.0	1	02/05/12	02/07/12 06:46	R3QA201
Phenanthrene	U			60.0	1	02/05/12	02/07/12 06:46	R3QA201
Phenol	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
Pyrene	U			60.0	1	02/05/12	02/07/12 06:46	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/05/12	02/07/12 06:46	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW39-P**Lab ID:** 1202001-24**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
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2,4,6-Trichlorophenol U 5.00 1 02/05/12 02/07/12 06:46 R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	53.4		53 %	21-110	02/05/12	02/07/12 06:46	R3QA201
Surrogate: Phenol-d5	60.0		60 %	10-110	02/05/12	02/07/12 06:46	R3QA201
Surrogate: Nitrobenzene-d5	27.0		54 %	35-114	02/05/12	02/07/12 06:46	R3QA201
Surrogate: 2-Fluorobiphenyl	26.1		52 %	43-116	02/05/12	02/07/12 06:46	R3QA201
Surrogate: 2,4,6-Tribromophenol	58.0		58 %	10-123	02/05/12	02/07/12 06:46	R3QA201
Surrogate: Terphenyl-d14	30.5		61 %	33-141	02/05/12	02/07/12 06:46	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW40**Lab ID:** 1202001-26**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/07/12	02/08/12 12:03	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/07/12	02/08/12 12:03	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/07/12	02/08/12 12:03	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/07/12	02/08/12 12:03	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/07/12	02/08/12 12:03	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		57.1	1	02/05/12	02/07/12 07:36	R3QA201
Acenaphthylene	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
Acetophenone	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
Anthracene	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
Atrazine	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
Benzaldehyde	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
Benzo(a)anthracene	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
Benzo(a)pyrene	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
1,1-Biphenyl	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
Bis(2-chloroisopropyl)ether	U		57.1	1	02/05/12	02/07/12 07:36	R3QA201
Bis(2-ethylhexyl)phthalate	0.245	B, J	4.76	1	02/05/12	02/07/12 07:36	R3QA201
4-Bromophenyl phenyl ether	U		57.1	1	02/05/12	02/07/12 07:36	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
Carbazole	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
Caprolactam	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
4-Chloroaniline	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
2-Chloronaphthalene	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
2-Chlorophenol	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
Chrysene	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
Dibenzofuran	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201
3,3'-Dichlorobenzidine	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW40**Lab ID:** 1202001-26**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	0.037		B, J	4.76	1	02/05/12	02/07/12 07:36	R3QA201
2,4-Dichlorophenol	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
2,4-Dimethylphenol	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
Dimethyl phthalate	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
2,4-Dinitrophenol	U			57.1	1	02/05/12	02/07/12 07:36	R3QA201
Di-n-butyl phthalate	0.450		B, J	4.76	1	02/05/12	02/07/12 07:36	R3QA201
4,6-Dinitro-2-methylphenol	U			57.1	1	02/05/12	02/07/12 07:36	R3QA201
2,4-Dinitrotoluene	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
2,6-Dinitrotoluene	U			57.1	1	02/05/12	02/07/12 07:36	R3QA201
Di-n-octyl phthalate	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
Fluoranthene	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
Fluorene	U			57.1	1	02/05/12	02/07/12 07:36	R3QA201
Hexachlorobenzene	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
Hexachlorobutadiene	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
Hexachlorocyclopentadiene	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
Hexachloroethane	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
Indeno(1,2,3-cd)pyrene	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
Isophorone	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
2-Methoxyethanol	U	R		57.1	1	02/05/12	02/07/12 07:36	R3QA201
1-Methylnaphthalene	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
2-Methylnaphthalene	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
2-Methylphenol	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
4-Methylphenol	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
Naphthalene	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
2-Nitroaniline	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
3-Nitroaniline	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
4-Nitroaniline	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
Nitrobenzene	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
2-Nitrophenol	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
4-Nitrophenol	U			9.52	1	02/05/12	02/07/12 07:36	R3QA201
N-Nitrosodimethylamine	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
N-Nitroso-di-n-propylamine	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
N-Nitrosodiphenylamine	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
Pentachlorophenol	U			57.1	1	02/05/12	02/07/12 07:36	R3QA201
Phenanthrene	U			57.1	1	02/05/12	02/07/12 07:36	R3QA201
Phenol	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
Pyrene	U			57.1	1	02/05/12	02/07/12 07:36	R3QA201
1,2,4,5-Tetrachlorobenzene	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
2,3,4,6-Tetrachlorophenol	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201
2,4,5-Trichlorophenol	U			4.76	1	02/05/12	02/07/12 07:36	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW40**Lab ID:** 1202001-26**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Semivolatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		4.76	1	02/05/12	02/07/12 07:36	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	55.9		59 %	21-110	02/05/12	02/07/12 07:36	R3QA201
Surrogate: Phenol-d5	60.0		63 %	10-110	02/05/12	02/07/12 07:36	R3QA201
Surrogate: Nitrobenzene-d5	27.5		58 %	35-114	02/05/12	02/07/12 07:36	R3QA201
Surrogate: 2-Fluorobiphenyl	26.2		55 %	43-116	02/05/12	02/07/12 07:36	R3QA201
Surrogate: 2,4,6-Tribromophenol	54.3		57 %	10-123	02/05/12	02/07/12 07:36	R3QA201
Surrogate: Terphenyl-d14	28.4		60 %	33-141	02/05/12	02/07/12 07:36	R3QA201

**Volatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.5	B, J	2.0	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Bromoform	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW40**Lab ID:** 1202001-26**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Toluene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210

1202001 FINAL PART 2 OF 3

DAS R33907

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Page 73 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW40**Lab ID:** 1202001-26**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 18:29	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.940		98 %	86-115	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.310		108 %	76-114	02/08/12	02/08/12 18:29	CLP trace/R3QA210
Surrogate: Toluene-d8	4.110		103 %	88-110	02/08/12	02/08/12 18:29	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW40-P**Lab ID:** 1202001-28**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/07/12	02/08/12 12:17	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/07/12	02/08/12 12:17	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/07/12	02/08/12 12:17	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/07/12	02/08/12 12:17	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/07/12	02/08/12 12:17	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		60.0	1	02/05/12	02/07/12 08:27	R3QA201
Acenaphthylene	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
Acetophenone	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
Anthracene	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
Atrazine	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
Benzaldehyde	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
Benzo(a)anthracene	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
Benzo(a)pyrene	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
1,1-Biphenyl	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
Bis(2-chloroisopropyl)ether	U		60.0	1	02/05/12	02/07/12 08:27	R3QA201
Bis(2-ethylhexyl)phthalate	0.089	B, J	5.00	1	02/05/12	02/07/12 08:27	R3QA201
4-Bromophenyl phenyl ether	U		60.0	1	02/05/12	02/07/12 08:27	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
Carbazole	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
Caprolactam	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
4-Chloroaniline	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
2-Chloronaphthalene	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
2-Chlorophenol	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
Chrysene	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
Dibenzofuran	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW40-P**Lab ID:** 1202001-28**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	0.033		B, J	5.00	1	02/05/12	02/07/12 08:27	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
Dimethyl phthalate	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
2,4-Dinitrophenol	U			60.0	1	02/05/12	02/07/12 08:27	R3QA201
Di-n-butyl phthalate	0.447		B, J	5.00	1	02/05/12	02/07/12 08:27	R3QA201
4,6-Dinitro-2-methylphenol	U			60.0	1	02/05/12	02/07/12 08:27	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
2,6-Dinitrotoluene	U			60.0	1	02/05/12	02/07/12 08:27	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
Fluoranthene	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
Fluorene	U			60.0	1	02/05/12	02/07/12 08:27	R3QA201
Hexachlorobenzene	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
Hexachlorobutadiene	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
Hexachloroethane	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
Isophorone	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
2-Methoxyethanol	U	R		60.0	1	02/05/12	02/07/12 08:27	R3QA201
1-Methylnaphthalene	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
2-Methylnaphthalene	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
2-Methylphenol	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
4-Methylphenol	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
Naphthalene	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
2-Nitroaniline	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
3-Nitroaniline	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
4-Nitroaniline	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
Nitrobenzene	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
2-Nitrophenol	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
4-Nitrophenol	U			10.0	1	02/05/12	02/07/12 08:27	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
Pentachlorophenol	U			60.0	1	02/05/12	02/07/12 08:27	R3QA201
Phenanthrene	U			60.0	1	02/05/12	02/07/12 08:27	R3QA201
Phenol	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
Pyrene	U			60.0	1	02/05/12	02/07/12 08:27	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/05/12	02/07/12 08:27	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW40-P**Lab ID:** 1202001-28**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Semivolatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/05/12	02/07/12 08:27	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	54.6		55 %	21-110	02/05/12	02/07/12 08:27	R3QA201
Surrogate: Phenol-d5	55.0		55 %	10-110	02/05/12	02/07/12 08:27	R3QA201
Surrogate: Nitrobenzene-d5	27.6		55 %	35-114	02/05/12	02/07/12 08:27	R3QA201
Surrogate: 2-Fluorobiphenyl	25.7		51 %	43-116	02/05/12	02/07/12 08:27	R3QA201
Surrogate: 2,4,6-Tribromophenol	57.1		57 %	10-123	02/05/12	02/07/12 08:27	R3QA201
Surrogate: Terphenyl-d14	29.3		59 %	33-141	02/05/12	02/07/12 08:27	R3QA201

**Volatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.7	B, J	2.0	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Bromoform	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Chloroform	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW40-P**Lab ID:** 1202001-28**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Freon 113	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Styrene	U		1.0	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Toluene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210

1202001 FINAL PART 2 OF 3

DAS R33907

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Page 78 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW40-P**Lab ID:** 1202001-28**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 18:56	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.800		95 %	86-115	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.240		106 %	76-114	02/08/12	02/08/12 18:56	CLP trace/R3QA210
Surrogate: Toluene-d8	4.170		104 %	88-110	02/08/12	02/08/12 18:56	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW41**Lab ID:** 1202001-30**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/07/12	02/08/12 12:30	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/07/12	02/08/12 12:30	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/07/12	02/08/12 12:30	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/07/12	02/08/12 12:30	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/07/12	02/08/12 12:30	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		60.0	1	02/05/12	02/07/12 09:17	R3QA201
Acenaphthylene	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
Acetophenone	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
Anthracene	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
Atrazine	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
Benzaldehyde	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
Benzo(a)anthracene	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
Benzo(a)pyrene	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
1,1-Biphenyl	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
Bis(2-chloroisopropyl)ether	U		60.0	1	02/05/12	02/07/12 09:17	R3QA201
Bis(2-ethylhexyl)phthalate	0.098	B, J	5.00	1	02/05/12	02/07/12 09:17	R3QA201
4-Bromophenyl phenyl ether	U		60.0	1	02/05/12	02/07/12 09:17	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
Carbazole	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
Caprolactam	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
4-Chloroaniline	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
2-Chloronaphthalene	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
2-Chlorophenol	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
Chrysene	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
Dibenzofuran	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201
3,3'-Dichlorobenzidine	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW41**Lab ID:** 1202001-30**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	0.040		B, J	5.00	1	02/05/12	02/07/12 09:17	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
Dimethyl phthalate	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
2,4-Dinitrophenol	U			60.0	1	02/05/12	02/07/12 09:17	R3QA201
Di-n-butyl phthalate	0.324		B, J	5.00	1	02/05/12	02/07/12 09:17	R3QA201
4,6-Dinitro-2-methylphenol	U			60.0	1	02/05/12	02/07/12 09:17	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
2,6-Dinitrotoluene	U			60.0	1	02/05/12	02/07/12 09:17	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
Fluoranthene	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
Fluorene	U			60.0	1	02/05/12	02/07/12 09:17	R3QA201
Hexachlorobenzene	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
Hexachlorobutadiene	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
Hexachloroethane	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
Isophorone	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
2-Methoxyethanol	U	R		60.0	1	02/05/12	02/07/12 09:17	R3QA201
1-Methylnaphthalene	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
2-Methylnaphthalene	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
2-Methylphenol	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
4-Methylphenol	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
Naphthalene	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
2-Nitroaniline	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
3-Nitroaniline	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
4-Nitroaniline	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
Nitrobenzene	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
2-Nitrophenol	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
4-Nitrophenol	U			10.0	1	02/05/12	02/07/12 09:17	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
Pentachlorophenol	U			60.0	1	02/05/12	02/07/12 09:17	R3QA201
Phenanthrene	U			60.0	1	02/05/12	02/07/12 09:17	R3QA201
Phenol	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
Pyrene	U			60.0	1	02/05/12	02/07/12 09:17	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/05/12	02/07/12 09:17	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW41**Lab ID:** 1202001-30**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Semivolatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/05/12	02/07/12 09:17	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	55.7		56 %	21-110	02/05/12	02/07/12 09:17	R3QA201
Surrogate: Phenol-d5	61.3		61 %	10-110	02/05/12	02/07/12 09:17	R3QA201
Surrogate: Nitrobenzene-d5	28.0		56 %	35-114	02/05/12	02/07/12 09:17	R3QA201
Surrogate: 2-Fluorobiphenyl	25.4		51 %	43-116	02/05/12	02/07/12 09:17	R3QA201
Surrogate: 2,4,6-Tribromophenol	57.6		58 %	10-123	02/05/12	02/07/12 09:17	R3QA201
Surrogate: Terphenyl-d14	29.2		58 %	33-141	02/05/12	02/07/12 09:17	R3QA201

**Volatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.5	B, J	2.0	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Bromoform	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Chloroform	0.05	B, J	0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW41**Lab ID:** 1202001-30**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Freon 113	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Styrene	U			1.0	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Toluene	0.2	B, J		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW41**Lab ID:** 1202001-30**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 19:23	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.770		94 %	86-115	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.380		110 %	76-114	02/08/12	02/08/12 19:23	CLP trace/R3QA210
Surrogate: Toluene-d8	4.210		105 %	88-110	02/08/12	02/08/12 19:23	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW41-P**Lab ID:** 1202001-32**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/07/12	02/08/12 12:44	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/07/12	02/08/12 12:44	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/07/12	02/08/12 12:44	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/07/12	02/08/12 12:44	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/07/12	02/08/12 12:44	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		57.1	1	02/05/12	02/07/12 10:08	R3QA201
Acenaphthylene	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
Acetophenone	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
Anthracene	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
Atrazine	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
Benzaldehyde	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
Benzo(a)anthracene	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
Benzo(a)pyrene	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
Benzo(ghi)perylene	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
1,1-Biphenyl	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
Bis(2-chloroisopropyl)ether	U		57.1	1	02/05/12	02/07/12 10:08	R3QA201
Bis(2-ethylhexyl)phthalate	0.110	B, J	4.76	1	02/05/12	02/07/12 10:08	R3QA201
4-Bromophenyl phenyl ether	U		57.1	1	02/05/12	02/07/12 10:08	R3QA201
Butyl benzyl phthalate	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
Carbazole	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
Caprolactam	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
4-Chloroaniline	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
2-Chloronaphthalene	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
2-Chlorophenol	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
Chrysene	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
Dibenzofuran	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201
3,3'-Dichlorobenzidine	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201



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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW41-P**Lab ID:** 1202001-32**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	0.038		B, J	4.76	1	02/05/12	02/07/12 10:08	R3QA201
2,4-Dichlorophenol	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
2,4-Dimethylphenol	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
Dimethyl phthalate	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
2,4-Dinitrophenol	U			57.1	1	02/05/12	02/07/12 10:08	R3QA201
Di-n-butyl phthalate	0.405		B, J	4.76	1	02/05/12	02/07/12 10:08	R3QA201
4,6-Dinitro-2-methylphenol	U			57.1	1	02/05/12	02/07/12 10:08	R3QA201
2,4-Dinitrotoluene	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
2,6-Dinitrotoluene	U			57.1	1	02/05/12	02/07/12 10:08	R3QA201
Di-n-octyl phthalate	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
Fluoranthene	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
Fluorene	U			57.1	1	02/05/12	02/07/12 10:08	R3QA201
Hexachlorobenzene	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
Hexachlorobutadiene	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
Hexachlorocyclopentadiene	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
Hexachloroethane	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
Indeno(1,2,3-cd)pyrene	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
Isophorone	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
2-Methoxyethanol	U	R		57.1	1	02/05/12	02/07/12 10:08	R3QA201
1-Methylnaphthalene	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
2-Methylnaphthalene	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
2-Methylphenol	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
4-Methylphenol	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
Naphthalene	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
2-Nitroaniline	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
3-Nitroaniline	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
4-Nitroaniline	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
Nitrobenzene	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
2-Nitrophenol	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
4-Nitrophenol	U			9.52	1	02/05/12	02/07/12 10:08	R3QA201
N-Nitrosodimethylamine	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
N-Nitroso-di-n-propylamine	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
N-Nitrosodiphenylamine	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
Pentachlorophenol	U			57.1	1	02/05/12	02/07/12 10:08	R3QA201
Phenanthrene	U			57.1	1	02/05/12	02/07/12 10:08	R3QA201
Phenol	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
Pyrene	U			57.1	1	02/05/12	02/07/12 10:08	R3QA201
1,2,4,5-Tetrachlorobenzene	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
2,3,4,6-Tetrachlorophenol	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201
2,4,5-Trichlorophenol	U			4.76	1	02/05/12	02/07/12 10:08	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW41-P**Lab ID:** 1202001-32**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Semivolatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		4.76	1	02/05/12	02/07/12 10:08	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	46.5		49 %	21-110	02/05/12	02/07/12 10:08	R3QA201
Surrogate: Phenol-d5	52.7		55 %	10-110	02/05/12	02/07/12 10:08	R3QA201
Surrogate: Nitrobenzene-d5	24.3		51 %	35-114	02/05/12	02/07/12 10:08	R3QA201
Surrogate: 2-Fluorobiphenyl	23.6		50 %	43-116	02/05/12	02/07/12 10:08	R3QA201
Surrogate: 2,4,6-Tribromophenol	52.9		56 %	10-123	02/05/12	02/07/12 10:08	R3QA201
Surrogate: Terphenyl-d14	29.1		61 %	33-141	02/05/12	02/07/12 10:08	R3QA201

**Volatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.6	B, J	2.0	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Benzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Bromoform	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Chloroform	0.06	B, J	0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW41-P**Lab ID:** 1202001-32**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Freon 113	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Styrene	U			1.0	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Toluene	0.3	B, J		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW41-P**Lab ID:** 1202001-32**Sample Matrix:** Drinking Water**Date Collected:** 02/02/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/08/12	02/08/12 19:50	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.990		100 %	86-115	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.360		109 %	76-114	02/08/12	02/08/12 19:50	CLP trace/R3QA210
Surrogate: Toluene-d8	4.030		101 %	88-110	02/08/12	02/08/12 19:50	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB17**Lab ID:** 1202001-34**Sample Matrix:** Water**Date Collected:** 02/02/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	6.7	J		2.0	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Benzene	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Bromoform	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Chloroform	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB17**Lab ID:** 1202001-34**Sample Matrix:** Water**Date Collected:** 02/02/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Styrene	U		1.0	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Toluene	0.9		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/09/12	02/09/12 11:24	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.900		98 %	86-115	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.210		105 %	76-114	02/09/12	02/09/12 11:24	CLP trace/R3QA210
Surrogate: Toluene-d8	4.090		102 %	88-110	02/09/12	02/09/12 11:24	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB18**Lab ID:** 1202001-35**Sample Matrix:** Water**Date Collected:** 02/02/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	6.6	J		2.0	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Benzene	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Bromochloromethane	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Bromodichloromethane	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Bromoform	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
2-Butanone	U			2.0	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Chloroform	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB18**Lab ID:** 1202001-35**Sample Matrix:** Water**Date Collected:** 02/02/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Methylene Chloride	0.1	J	0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Styrene	U		1.0	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Toluene	0.8		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/09/12	02/09/12 11:51	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.110		103 %	86-115	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.330		108 %	76-114	02/09/12	02/09/12 11:51	CLP trace/R3QA210
Surrogate: Toluene-d8	4.100		102 %	88-110	02/09/12	02/09/12 11:51	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB19**Lab ID:** 1202001-36**Sample Matrix:** Water**Date Collected:** 02/03/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	2.8	J		2.0	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Benzene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Bromoform	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Bromodichloromethane	0.08	J		0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
2-Butanone	0.9	J		2.0	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Chloroform	0.1	J		0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210



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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB19**Lab ID:** 1202001-36**Sample Matrix:** Water**Date Collected:** 02/03/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Styrene	U			1.0	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Toluene	0.1	J		0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210
o-Xylene	0.05	J		1.0	1	02/09/12	02/09/12 12:18	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.980			100 %	86-115	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.340			108 %	76-114	02/09/12	02/09/12 12:18	CLP trace/R3QA210
Surrogate: Toluene-d8	4.070			102 %	88-110	02/09/12	02/09/12 12:18	CLP trace/R3QA210



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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW28b-P**Lab ID:** 1202001-43**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/07/12	02/08/12 12:58	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/07/12	02/08/12 12:58	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/07/12	02/08/12 12:58	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/07/12	02/08/12 12:58	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/07/12	02/08/12 12:58	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Acenaphthylene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Acetophenone	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Anthracene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Atrazine	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Benzaldehyde	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Benzo(a)anthracene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Benzo(a)pyrene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
1,1-Biphenyl	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Bis(2-ethylhexyl)phthalate	0.159	B, J	5.00	1	02/08/12	02/13/12 19:51	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Carbazole	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Caprolactam	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
4-Chloroaniline	U		60.0	1	02/08/12	02/13/12 19:51	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
2-Chloronaphthalene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
2-Chlorophenol	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Chrysene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Dibenzofuran	0.013	J	5.00	1	02/08/12	02/13/12 19:51	R3QA201
3,3'-Dichlorobenzidine	U		60.0	1	02/08/12	02/13/12 19:51	R3QA201



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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW28b-P**Lab ID:** 1202001-43**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	0.042	B, J	5.00	1	02/08/12	02/13/12 19:51	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Dimethyl phthalate	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
2,4-Dinitrophenol	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Di-n-butyl phthalate	0.528	B, J	5.00	1	02/08/12	02/13/12 19:51	R3QA201
4,6-Dinitro-2-methylphenol	U		10.0	1	02/08/12	02/13/12 19:51	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Fluoranthene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Fluorene	0.018	J	5.00	1	02/08/12	02/13/12 19:51	R3QA201
Hexachlorobenzene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Hexachlorobutadiene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Hexachloroethane	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Isophorone	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
2-Methoxyethanol	U		60.0	1	02/08/12	02/13/12 19:51	R3QA201
1-Methylnaphthalene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
2-Methylnaphthalene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
2-Methylphenol	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
4-Methylphenol	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Naphthalene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
2-Nitroaniline	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
3-Nitroaniline	U		60.0	1	02/08/12	02/13/12 19:51	R3QA201
4-Nitroaniline	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Nitrobenzene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
2-Nitrophenol	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
4-Nitrophenol	U		10.0	1	02/08/12	02/13/12 19:51	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
N-Nitrosodiphenylamine	0.016	J	5.00	1	02/08/12	02/13/12 19:51	R3QA201
Pentachlorophenol	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Phenanthrene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Phenol	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
Pyrene	0.019	J	5.00	1	02/08/12	02/13/12 19:51	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW28b-P**Lab ID:** 1202001-43**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012**Semivolatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/08/12	02/13/12 19:51	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	81.8		82 %	21-110	02/08/12	02/13/12 19:51	R3QA201
Surrogate: Phenol-d5	90.5		91 %	10-110	02/08/12	02/13/12 19:51	R3QA201
Surrogate: Nitrobenzene-d5	41.7		83 %	35-114	02/08/12	02/13/12 19:51	R3QA201
Surrogate: 2-Fluorobiphenyl	42.4		85 %	43-116	02/08/12	02/13/12 19:51	R3QA201
Surrogate: 2,4,6-Tribromophenol	92.6		93 %	10-123	02/08/12	02/13/12 19:51	R3QA201
Surrogate: Terphenyl-d14	44.2		88 %	33-141	02/08/12	02/13/12 19:51	R3QA201

**Volatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	1.2	B, J	2.0	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Benzene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Bromoform	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Chloroform	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW28b-P**Lab ID:** 1202001-43**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Freon 113	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Styrene	U		1.0	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Toluene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW28b-P**Lab ID:** 1202001-43**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/09/12	02/09/12 14:51	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.880		97 %	86-115	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.280		107 %	76-114	02/09/12	02/09/12 14:51	CLP trace/R3QA210
Surrogate: Toluene-d8	4.090		102 %	88-110	02/09/12	02/09/12 14:51	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW09**Lab ID:** 1202001-44**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/07/12	02/08/12 13:11	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/07/12	02/08/12 13:11	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/07/12	02/08/12 13:11	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/07/12	02/08/12 13:11	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/07/12	02/08/12 13:11	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Acenaphthylene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Acetophenone	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Anthracene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Atrazine	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Benzaldehyde	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Benzo(a)anthracene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Benzo(a)pyrene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
1,1-Biphenyl	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Bis(2-ethylhexyl)phthalate	0.109	B, J	5.00	1	02/08/12	02/13/12 20:42	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Carbazole	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Caprolactam	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
4-Chloroaniline	U		60.0	1	02/08/12	02/13/12 20:42	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
2-Chloronaphthalene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
2-Chlorophenol	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Chrysene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Dibenzofuran	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
3,3'-Dichlorobenzidine	U		60.0	1	02/08/12	02/13/12 20:42	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW09**Lab ID:** 1202001-44**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	0.031	B, J	5.00	1	02/08/12	02/13/12 20:42	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Dimethyl phthalate	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
2,4-Dinitrophenol	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Di-n-butyl phthalate	0.379	B, J	5.00	1	02/08/12	02/13/12 20:42	R3QA201
4,6-Dinitro-2-methylphenol	U		10.0	1	02/08/12	02/13/12 20:42	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Fluoranthene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Fluorene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Hexachlorobenzene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Hexachlorobutadiene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Hexachloroethane	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Isophorone	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
2-Methoxyethanol	U		60.0	1	02/08/12	02/13/12 20:42	R3QA201
1-Methylnaphthalene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
2-Methylnaphthalene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
2-Methylphenol	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
4-Methylphenol	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Naphthalene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
2-Nitroaniline	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
3-Nitroaniline	U		60.0	1	02/08/12	02/13/12 20:42	R3QA201
4-Nitroaniline	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Nitrobenzene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
2-Nitrophenol	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
4-Nitrophenol	U		10.0	1	02/08/12	02/13/12 20:42	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Pentachlorophenol	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Phenanthrene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Phenol	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
Pyrene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Station ID: HW09

Lab ID: 1202001-44

Sample Matrix: Drinking Water

Date Collected: 02/03/2012

Semivolatile Organic Compounds Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/08/12	02/13/12 20:42	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	90.0		90 %	21-110	02/08/12	02/13/12 20:42	R3QA201
Surrogate: Phenol-d5	95.4		95 %	10-110	02/08/12	02/13/12 20:42	R3QA201
Surrogate: Nitrobenzene-d5	43.1		86 %	35-114	02/08/12	02/13/12 20:42	R3QA201
Surrogate: 2-Fluorobiphenyl	44.5		89 %	43-116	02/08/12	02/13/12 20:42	R3QA201
Surrogate: 2,4,6-Tribromophenol	94.3		94 %	10-123	02/08/12	02/13/12 20:42	R3QA201
Surrogate: Terphenyl-d14	50.4		101 %	33-141	02/08/12	02/13/12 20:42	R3QA201

Volatile Organic Compounds Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	0.5	B, J	2.0	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Benzene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Bromoform	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Chloroform	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW09**Lab ID:** 1202001-44**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Freon 113	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Styrene	U		1.0	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Toluene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210

1202001 FINAL PART 2 OF 3

DAS R33907

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Page 104 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW09**Lab ID:** 1202001-44**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/09/12	02/09/12 15:19	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.800		95 %	86-115	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.390		110 %	76-114	02/09/12	02/09/12 15:19	CLP trace/R3QA210
Surrogate: Toluene-d8	4.040		101 %	88-110	02/09/12	02/09/12 15:19	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW09-P**Lab ID:** 1202001-45**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/07/12	02/08/12 13:25	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/07/12	02/08/12 13:25	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/07/12	02/08/12 13:25	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/07/12	02/08/12 13:25	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/07/12	02/08/12 13:25	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Acenaphthylene	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Acetophenone	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Anthracene	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Atrazine	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Benzaldehyde	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Benzo(a)anthracene	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Benzo(a)pyrene	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
1,1-Biphenyl	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Bis(2-ethylhexyl)phthalate	0.064	B, J	5.00	1	02/08/12	02/13/12 21:33	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Carbazole	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Caprolactam	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
4-Chloroaniline	U		60.0	1	02/08/12	02/13/12 21:33	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
2-Chloronaphthalene	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
2-Chlorophenol	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Chrysene	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
Dibenzofuran	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201
3,3'-Dichlorobenzidine	U		60.0	1	02/08/12	02/13/12 21:33	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW09-P**Lab ID:** 1202001-45**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags B, J	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	0.017	B, J		5.00	1	02/08/12	02/13/12 21:33	R3QA201
2,4-Dichlorophenol	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
2,4-Dimethylphenol	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
Dimethyl phthalate	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
2,4-Dinitrophenol	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
Di-n-butyl phthalate	0.256	B, J		5.00	1	02/08/12	02/13/12 21:33	R3QA201
4,6-Dinitro-2-methylphenol	U			10.0	1	02/08/12	02/13/12 21:33	R3QA201
2,4-Dinitrotoluene	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
2,6-Dinitrotoluene	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
Di-n-octyl phthalate	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
Fluoranthene	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
Fluorene	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
Hexachlorobenzene	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
Hexachlorobutadiene	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
Hexachlorocyclopentadiene	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
Hexachloroethane	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
Indeno(1,2,3-cd)pyrene	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
Isophorone	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
2-Methoxyethanol	U			60.0	1	02/08/12	02/13/12 21:33	R3QA201
1-Methylnaphthalene	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
2-Methylnaphthalene	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
2-Methylphenol	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
4-Methylphenol	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
Naphthalene	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
2-Nitroaniline	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
3-Nitroaniline	U			60.0	1	02/08/12	02/13/12 21:33	R3QA201
4-Nitroaniline	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
Nitrobenzene	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
2-Nitrophenol	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
4-Nitrophenol	U			10.0	1	02/08/12	02/13/12 21:33	R3QA201
N-Nitrosodimethylamine	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
N-Nitroso-di-n-propylamine	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
N-Nitrosodiphenylamine	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
Pentachlorophenol	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
Phenanthrene	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
Phenol	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
Pyrene	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
1,2,4,5-Tetrachlorobenzene	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
2,3,4,6-Tetrachlorophenol	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201
2,4,5-Trichlorophenol	U			5.00	1	02/08/12	02/13/12 21:33	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW09-P**Lab ID:** 1202001-45**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012**Semivolatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/08/12	02/13/12 21:33	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	46.7		47 %	21-110	02/08/12	02/13/12 21:33	R3QA201
Surrogate: Phenol-d5	54.2		54 %	10-110	02/08/12	02/13/12 21:33	R3QA201
Surrogate: Nitrobenzene-d5	24.1		48 %	35-114	02/08/12	02/13/12 21:33	R3QA201
Surrogate: 2-Fluorobiphenyl	26.2		52 %	43-116	02/08/12	02/13/12 21:33	R3QA201
Surrogate: 2,4,6-Tribromophenol	48.0		48 %	10-123	02/08/12	02/13/12 21:33	R3QA201
Surrogate: Terphenyl-d14	25.7		51 %	33-141	02/08/12	02/13/12 21:33	R3QA201

**Volatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.1	B, J	2.0	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Benzene	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Bromoform	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Chloroform	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW09-P**Lab ID:** 1202001-45**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Freon 113	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Styrene	U			1.0	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Toluene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210

1202001 FINAL PART 2 OF 3

DAS R33907

03 05 12 848

Page 109 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW09-P**Lab ID:** 1202001-45**Sample Matrix:** Drinking Water**Date Collected:** 02/03/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/09/12	02/09/12 15:46	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.990		100 %	86-115	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.460		112 %	76-114	02/09/12	02/09/12 15:46	CLP trace/R3QA210
Surrogate: Toluene-d8	4.080		102 %	88-110	02/09/12	02/09/12 15:46	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB10**Lab ID:** 1202001-46**Sample Matrix:** Water**Date Collected:** 02/03/2012**Alcohols****Targets**

Analyte	Result ug/mL	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1-Butanol	U		10.0	1	02/07/12	02/08/12 13:39	EPA 8015D/R3QA203
2-Butanol	U		10.0	1	02/07/12	02/08/12 13:39	EPA 8015D/R3QA203
Ethanol	U		10.0	1	02/07/12	02/08/12 13:39	EPA 8015D/R3QA203
Methanol	U		10.0	1	02/07/12	02/08/12 13:39	EPA 8015D/R3QA203
1-Propanol	U		10.0	1	02/07/12	02/08/12 13:39	EPA 8015D/R3QA203

Semivolatile Organic Compounds**Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acenaphthene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Acenaphthylene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Acetophenone	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Anthracene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Atrazine	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Benzaldehyde	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Benzo(a)anthracene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Benzo(a)pyrene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Benzo(b)fluoranthene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Benzo(ghi)perylene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Benzo(k)fluoranthene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
1,1-Biphenyl	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Bis(2-chloroethoxy)methane	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Bis(2-chloroethyl)ether	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Bis(2-chloroisopropyl)ether	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Bis(2-ethylhexyl)phthalate	0.165	B, J	5.00	1	02/08/12	02/13/12 22:23	R3QA201
4-Bromophenyl phenyl ether	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Butyl benzyl phthalate	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Carbazole	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Caprolactam	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
4-Chloroaniline	U		60.0	1	02/08/12	02/13/12 22:23	R3QA201
4-Chloro-3-methylphenol	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
2-Chloronaphthalene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
2-Chlorophenol	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
4-Chlorophenyl phenyl ether	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Chrysene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Dibenz(a,h)anthracene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Dibenzofuran	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
3,3'-Dichlorobenzidine	U		60.0	1	02/08/12	02/13/12 22:23	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB10**Lab ID:** 1202001-46**Sample Matrix:** Water**Date Collected:** 02/03/2012

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Diethyl phthalate	0.026	B, J	5.00	1	02/08/12	02/13/12 22:23	R3QA201
2,4-Dichlorophenol	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
2,4-Dimethylphenol	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Dimethyl phthalate	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
2,4-Dinitrophenol	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Di-n-butyl phthalate	0.473	B, J	5.00	1	02/08/12	02/13/12 22:23	R3QA201
4,6-Dinitro-2-methylphenol	U		10.0	1	02/08/12	02/13/12 22:23	R3QA201
2,4-Dinitrotoluene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
2,6-Dinitrotoluene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Di-n-octyl phthalate	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Fluoranthene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Fluorene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Hexachlorobenzene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Hexachlorobutadiene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Hexachlorocyclopentadiene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Hexachloroethane	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Indeno(1,2,3-cd)pyrene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Isophorone	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
2-Methoxyethanol	U		60.0	1	02/08/12	02/13/12 22:23	R3QA201
1-Methylnaphthalene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
2-Methylnaphthalene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
2-Methylphenol	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
4-Methylphenol	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Naphthalene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
2-Nitroaniline	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
3-Nitroaniline	U		60.0	1	02/08/12	02/13/12 22:23	R3QA201
4-Nitroaniline	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Nitrobenzene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
2-Nitrophenol	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
4-Nitrophenol	U		10.0	1	02/08/12	02/13/12 22:23	R3QA201
N-Nitrosodimethylamine	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
N-Nitroso-di-n-propylamine	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
N-Nitrosodiphenylamine	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Pentachlorophenol	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Phenanthrene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Phenol	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
Pyrene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
1,2,4,5-Tetrachlorobenzene	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
2,3,4,6-Tetrachlorophenol	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201
2,4,5-Trichlorophenol	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB10**Lab ID:** 1202001-46**Sample Matrix:** Water**Date Collected:** 02/03/2012**Semivolatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
2,4,6-Trichlorophenol	U		5.00	1	02/08/12	02/13/12 22:23	R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	78.3		78 %	21-110	02/08/12	02/13/12 22:23	R3QA201
Surrogate: Phenol-d5	89.4		89 %	10-110	02/08/12	02/13/12 22:23	R3QA201
Surrogate: Nitrobenzene-d5	41.2		82 %	35-114	02/08/12	02/13/12 22:23	R3QA201
Surrogate: 2-Fluorobiphenyl	42.7		85 %	43-116	02/08/12	02/13/12 22:23	R3QA201
Surrogate: 2,4,6-Tribromophenol	93.0		93 %	10-123	02/08/12	02/13/12 22:23	R3QA201
Surrogate: Terphenyl-d14	46.6		93 %	33-141	02/08/12	02/13/12 22:23	R3QA201

**Volatile Organic Compounds
Targets**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.1	J	2.0	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Benzene	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Bromoform	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Bromodichloromethane	0.07	J	0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
2-Butanone	0.7	J	2.0	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Chloroform	0.1	J	0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB10**Lab ID:** 1202001-46**Sample Matrix:** Water**Date Collected:** 02/03/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,2-Dibromo-3-chloropropane	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Freon 113	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Styrene	U			1.0	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Toluene	0.07	J		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210



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701 Mapes Road
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** FB10**Lab ID:** 1202001-46**Sample Matrix:** Water**Date Collected:** 02/03/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Trichloroethene	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210
o-Xylene	0.1	J	1.0	1	02/09/12	02/09/12 16:14	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.950		99 %	86-115	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.470		112 %	76-114	02/09/12	02/09/12 16:14	CLP trace/R3QA210
Surrogate: Toluene-d8	4.090		102 %	88-110	02/09/12	02/09/12 16:14	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB20**Lab ID:** 1202001-47**Sample Matrix:** Water**Date Collected:** 02/03/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	3.0	J		2.0	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Benzene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Bromoform	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Bromodichloromethane	0.07	J		0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
2-Butanone	0.5	J		2.0	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Chloroform	0.1	J		0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB20**Lab ID:** 1202001-47**Sample Matrix:** Water**Date Collected:** 02/03/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Styrene	U			1.0	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Toluene	0.1	J		0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210
o-Xylene	0.06	J		1.0	1	02/09/12	02/09/12 16:42	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.030			101 %	86-115	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.490			112 %	76-114	02/09/12	02/09/12 16:42	CLP trace/R3QA210
Surrogate: Toluene-d8	4.040			101 %	88-110	02/09/12	02/09/12 16:42	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW39-P**Lab ID:** 1202001-48**Sample Matrix:** Water**Date Collected:** 02/03/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	2.2	B, J	2.0	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Benzene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Bromoform	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
2-Butanone	U		2.0	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Chloroform	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
trans-1,2-Dichloroethene	0.5	J	0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** HW39-P**Lab ID:** 1202001-48**Sample Matrix:** Water**Date Collected:** 02/03/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
2-Hexanone	U		2.0	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
4-Methyl-2-pentanone	U		2.0	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Styrene	U		1.0	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Toluene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/09/12	02/09/12 17:10	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery %Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.890		97 %	86-115	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.400		110 %	76-114	02/09/12	02/09/12 17:10	CLP trace/R3QA210
Surrogate: Toluene-d8	4.100		102 %	88-110	02/09/12	02/09/12 17:10	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB21**Lab ID:** 1202001-49**Sample Matrix:** Water**Date Collected:** 02/03/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	2.2		J	2.0	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Benzene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Bromobenzene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Bromoform	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Bromomethane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Bromodichloromethane	0.08		J	0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
2-Butanone	0.9		J	2.0	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
sec-Butylbenzene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
tert-Butylbenzene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
n-Butylbenzene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Carbon disulfide	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Carbon Tetrachloride	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Chlorobenzene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Chlorodibromomethane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Chloroethane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Chloroform	0.1		J	0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Chloromethane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
2-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
4-Chlorotoluene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Cyclohexane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Dibromomethane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,2-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,3-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,4-Dichlorobenzene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Dichlorodifluoromethane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,1-Dichloroethane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,2-Dichloroethane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,1-Dichloroethene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
cis-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
trans-1,2-Dichloroethene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,3-Dichloropropane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
2,2-Dichloropropane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,1-Dichloropropene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
cis-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
trans-1,3-Dichloropropene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Ethylbenzene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB21**Lab ID:** 1202001-49**Sample Matrix:** Water**Date Collected:** 02/03/2012**Volatile Organic Compounds
Targets (Continued)**

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Styrene	U			1.0	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Toluene	0.1	J		0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210
o-Xylene	0.06	J		1.0	1	02/09/12	02/09/12 17:37	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.000			100 %	86-115	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.360			109 %	76-114	02/09/12	02/09/12 17:37	CLP trace/R3QA210
Surrogate: Toluene-d8	4.150			104 %	88-110	02/09/12	02/09/12 17:37	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB22**Lab ID:** 1202001-50**Sample Matrix:** Water**Date Collected:** 02/03/2012

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	2.0	J	2.0	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
Benzene	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
Bromobenzene	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
Bromochloromethane	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
Bromodichloromethane	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
Bromoform	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
Bromomethane	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
2-Butanone	0.6	J	2.0	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
sec-Butylbenzene	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
tert-Butylbenzene	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
n-Butylbenzene	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
Carbon disulfide	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
Carbon Tetrachloride	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
Chlorobenzene	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
Chlorodibromomethane	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
Chloroethane	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
Chloroform	0.1	J	0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
Chloromethane	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
2-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
4-Chlorotoluene	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
Cyclohexane	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
1,2-Dibromo-3-chloropropane	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
1,2-Dibromoethane (EDB)	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
Dibromomethane	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
1,2-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
1,3-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
1,4-Dichlorobenzene	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
Dichlorodifluoromethane	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
1,1-Dichloroethane	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
1,2-Dichloroethane	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
1,1-Dichloroethene	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
cis-1,2-Dichloroethene	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
trans-1,2-Dichloroethene	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
1,2-Dichloropropane	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
1,3-Dichloropropane	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
2,2-Dichloropropane	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
1,1-Dichloropropene	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
cis-1,3-Dichloropropene	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
trans-1,3-Dichloropropene	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	
Ethylbenzene	U		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

**Site Name:** Dimock Residential Groundwater**Project #:** DAS R33907**Station ID:** TB22**Lab ID:** 1202001-50**Sample Matrix:** Water**Date Collected:** 02/03/2012

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags	Quantitation Qualifiers	Limit	Dilution	Prepared	Analyzed	Method/SOP#
Freon 113	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
Hexachlorobutadiene	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
2-Hexanone	U			2.0	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
Isopropylbenzene	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
p-Isopropyltoluene	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
Methyl Acetate	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
Methylcyclohexane	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
Methyl-tert-butyl ether	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
Methylene Chloride	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
4-Methyl-2-pentanone	U			2.0	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
Naphthalene	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
n-Propylbenzene	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
Styrene	U			1.0	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
Tetrachloroethene	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
Toluene	0.1	J		0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
1,1,1-Trichloroethane	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
1,1,2-Trichloroethane	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
Trichloroethene	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
Trichlorofluoromethane	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
1,2,3-Trichloropropane	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
Vinyl acetate	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
Vinyl chloride	U			0.5	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
m-Xylene/p-Xylene	U			1.0	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210
o-Xylene	0.06	J		1.0	1	02/09/12	02/09/12 18:04	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags	Quantitation Qualifiers	%Recovery	Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	3.960			99 %	86-115	02/09/12	02/09/12 18:04	CLP trace/R3QA210
Surrogate: 1,2-Dichloroethane-d4	4.440			111 %	76-114	02/09/12	02/09/12 18:04	CLP trace/R3QA210
Surrogate: Toluene-d8	4.140			104 %	88-110	02/09/12	02/09/12 18:04	CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Tentatively Identified Compound (TIC) Report
Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-01
Station ID: HW42
Sample Matrix: Drinking Water
Collected: 02/02/2012

None Detected 0.00 02/06/12 19:00 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-01
Station ID: HW42
Sample Matrix: Drinking Water
Collected: 02/02/2012

None Detected 0.0 02/08/12 12:12 CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-03
Station ID: HW46
Sample Matrix: Drinking Water
Collected: 02/02/2012

None Detected 0.00 02/06/12 19:50 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-03
Station ID: HW46
Sample Matrix: Drinking Water
Collected: 02/02/2012

None Detected 0.0 02/08/12 12:39 CLP trace/R3QA210

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-05
Station ID: HW46-P
Sample Matrix: Drinking Water
Collected: 02/02/2012

None Detected 0.00 02/06/12 20:41 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-05
Station ID: HW46-P
Sample Matrix: Drinking Water
Collected: 02/02/2012

None Detected 0.0 02/08/12 13:06 CLP trace/R3QA210



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Tentatively Identified Compound (TIC) Report Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-06

Station ID: TB15

Sample Matrix: Water

Collected: 02/02/2012

None Detected

0.0

02/08/12 13:33

CLP trace/R3QA210

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-07

Station ID: FB09

Sample Matrix: Water

Collected: 02/02/2012

None Detected

0.00

02/06/12 21:32

R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-07

Station ID: FB09

Sample Matrix: Water

Collected: 02/02/2012

None Detected

0.0

02/08/12 14:00

CLP trace/R3QA210



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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-08

Station ID: FB08

Sample Matrix: Water

Collected: 02/01/2012

None Detected

0.00

02/06/12 22:22 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-08

Station ID: FB08

Sample Matrix: Water

Collected: 02/01/2012

75-28-5 Isobutane

7.0

T

1.33

02/08/12 14:27

CLP trace/R3QA210



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Tentatively Identified Compound (TIC) Report Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-10**Station ID:** HW34a**Sample Matrix:** Drinking Water**Collected:** 02/01/2012

13798-23-7	Hexasulfur	1.99	T	7.59	02/06/12 23:13	R3QA201
10544-50-0	Cyclic octaatomic sulfur	29.2	T	9.90	02/06/12 23:13	R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-10**Station ID:** HW34a**Sample Matrix:** Drinking Water**Collected:** 02/01/2012

7446-09-5	Sulfur dioxide	22.0	T	1.28	02/08/12 14:54	CLP trace/R3QA210
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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Tentatively Identified Compound (TIC) Report
Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-13
Station ID: HW42z
Sample Matrix: Drinking Water
Collected: 02/02/2012

None Detected 0.00 02/07/12 00:03 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-13
Station ID: HW42z
Sample Matrix: Drinking Water
Collected: 02/02/2012

None Detected 0.0 02/08/12 15:21 CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-15
Station ID: TB16
Sample Matrix: Water
Collected: 02/02/2012

None Detected 0.0 02/08/12 15:48 CLP trace/R3QA210



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Tentatively Identified Compound (TIC) Report Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-17
Station ID: HW34a-P
Sample Matrix: Drinking Water
Collected: 02/01/2012

None Detected 0.00 02/07/12 00:53 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-17
Station ID: HW34a-P
Sample Matrix: Drinking Water
Collected: 02/01/2012

None Detected 0.0 02/08/12 16:15 CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-19
Station ID: TB14
Sample Matrix: Water
Collected: 02/01/2012

75-28-5 Isobutane 8.7 T 1.33 02/08/12 16:42 CLP trace/R3QA210



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Tentatively Identified Compound (TIC) Report
Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-20
Station ID: HW28a
Sample Matrix: Drinking Water
Collected: 02/03/2012

None Detected 0.00 02/07/12 04:15 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-20
Station ID: HW28a
Sample Matrix: Drinking Water
Collected: 02/03/2012

None Detected 0.0 02/08/12 17:09 CLP trace/R3QA210

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-22
Station ID: HW28a-P
Sample Matrix: Drinking Water
Collected: 02/03/2012

None Detected 0.00 02/07/12 05:05 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-22
Station ID: HW28a-P
Sample Matrix: Drinking Water
Collected: 02/03/2012

None Detected 0.0 02/08/12 17:36 CLP trace/R3QA210



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Office of Analytical Services and Quality Assurance
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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-23
Station ID: HW39
Sample Matrix: Drinking Water
Collected: 02/03/2012

None Detected 0.00 02/07/12 05:56 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-23
Station ID: HW39
Sample Matrix: Drinking Water
Collected: 02/03/2012

None Detected 0.0 02/08/12 18:03 CLP trace/R3QA210

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-24
Station ID: HW39-P
Sample Matrix: Drinking Water
Collected: 02/03/2012

NA unknown 5.95 T 4.00 02/07/12 06:46 R3QA201



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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Tentatively Identified Compound (TIC) Report
Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-26
Station ID: HW40
Sample Matrix: Drinking Water
Collected: 02/02/2012

None Detected 0.00 02/07/12 07:36 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-26
Station ID: HW40
Sample Matrix: Drinking Water
Collected: 02/02/2012

None Detected 0.0 02/08/12 18:29 CLP trace/R3QA210

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-28
Station ID: HW40-P
Sample Matrix: Drinking Water
Collected: 02/02/2012

None Detected 0.00 02/07/12 08:27 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-28
Station ID: HW40-P
Sample Matrix: Drinking Water
Collected: 02/02/2012

None Detected 0.0 02/08/12 18:56 CLP trace/R3QA210



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Tentatively Identified Compound (TIC) Report
Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-30
Station ID: HW41
Sample Matrix: Drinking Water
Collected: 02/02/2012

None Detected 0.00 02/07/12 09:17 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-30
Station ID: HW41
Sample Matrix: Drinking Water
Collected: 02/02/2012

None Detected 0.0 02/08/12 19:23 CLP trace/R3QA210

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-32
Station ID: HW41-P
Sample Matrix: Drinking Water
Collected: 02/02/2012

None Detected 0.00 02/07/12 10:08 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-32
Station ID: HW41-P
Sample Matrix: Drinking Water
Collected: 02/02/2012

None Detected 0.0 02/08/12 19:50 CLP trace/R3QA210



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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Tentatively Identified Compound (TIC) Report Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-34

Station ID: TB17

Sample Matrix: Water

Collected: 02/02/2012

None Detected

0.0

02/09/12 11:24

CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-35

Station ID: TB18

Sample Matrix: Water

Collected: 02/02/2012

None Detected

0.0

02/09/12 11:51

CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-36

Station ID: TB19

Sample Matrix: Water

Collected: 02/03/2012

75-28-5 Isobutane

3.9

T

1.33

02/09/12 12:18

CLP trace/R3QA210



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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-43**Station ID:** HW28b-P**Sample Matrix:** Drinking Water**Collected:** 02/03/2012

NA	unknown (01)	4.94	T	3.32	02/13/12 19:51	R3QA201
NA	unknown (02)	12.8	T	3.56	02/13/12 19:51	R3QA201
NA	unknown (03)	4.03	T	3.65	02/13/12 19:51	R3QA201
NA	unknown (04)	4.79	T	3.75	02/13/12 19:51	R3QA201
4291-79-6	Cyclohexane, 1-methyl-2-propyl-	8.00	T	3.78	02/13/12 19:51	R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-43**Station ID:** HW28b-P**Sample Matrix:** Drinking Water**Collected:** 02/03/2012

None Detected	0.0	02/09/12 14:51	CLP trace/R3QA210
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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-44

Station ID: HW09

Sample Matrix: Drinking Water

Collected: 02/03/2012

NA	unknown (01)	5.46	T	3.31	02/13/12 20:42	R3QA201
NA	unknown (02)	10.1	T	3.55	02/13/12 20:42	R3QA201
NA	unknown (03)	3.34	T	3.65	02/13/12 20:42	R3QA201
NA	unknown (04)	3.79	T	3.75	02/13/12 20:42	R3QA201
4291-79-6	Cyclohexane, 1-methyl-2-propyl-	6.16	T	3.78	02/13/12 20:42	R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	-----------------------	-------------------	----------	-------------

Lab ID: 1202001-44

Station ID: HW09

Sample Matrix: Drinking Water

Collected: 02/03/2012

None Detected	0.0	02/09/12 15:19	CLP trace/R3QA210
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-45
Station ID: HW09-P
Sample Matrix: Drinking Water
Collected: 02/03/2012

None Detected 0.00 02/13/12 21:33 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
------------	----------	----------------	--------------------	----------------	----------	-------------

Lab ID: 1202001-45
Station ID: HW09-P
Sample Matrix: Drinking Water
Collected: 02/03/2012

None Detected 0.0 02/09/12 15:46 CLP trace/R3QA210

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-46
Station ID: FB10
Sample Matrix: Water
Collected: 02/03/2012

None Detected 0.00 02/13/12 22:23 R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-46
Station ID: FB10
Sample Matrix: Water
Collected: 02/03/2012

75-28-5 Isobutane 12.9 T 1.33 02/09/12 16:14 CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Tentatively Identified Compound (TIC) Report Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-47

Station ID: TB20

Sample Matrix: Water

Collected: 02/03/2012

75-28-5 Isobutane 4.1 T 1.33 02/09/12 16:42 CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-48

Station ID: HW39-P

Sample Matrix: Water

Collected: 02/03/2012

None Detected 0.0 02/09/12 17:10 CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-49

Station ID: TB21

Sample Matrix: Water

Collected: 02/03/2012

75-28-5 Isobutane 3.8 T 1.33 02/09/12 17:37 CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
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Lab ID: 1202001-50

Station ID: TB22

Sample Matrix: Water

Collected: 02/03/2012

75-28-5 Isobutane 3.4 T 1.33 02/09/12 18:04 CLP trace/R3QA210



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Alcohols

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC %REC	Limits	RPD RPD	RPD Limit	Notes
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Batch BB20401 - Alcohols

Blank (BB20401-BLK1)				Prepared: 02/04/12 07:04	Analyzed: 02/04/12 10:22
1-Butanol	U	10.0	ug/mL		
2-Butanol	U	10.0	"		
Ethanol	U	10.0	"		
Methanol	U	10.0	"		
1-Propanol	U	10.0	"		

LCS (BB20401-BS1)				Prepared: 02/04/12 07:04	Analyzed: 02/04/12 10:36
1-Butanol	107	10.0	ug/mL	100.00	107 70-130
2-Butanol	103	10.0	"	100.00	103 70-130
Ethanol	106	10.0	"	100.00	106 70-130
Methanol	94.9	10.0	"	100.00	95 70-130
1-Propanol	103	10.0	"	100.00	103 70-130

Matrix Spike (BB20401-MS1)				Source: 1202001-17	Prepared: 02/04/12 07:04	Analyzed: 02/04/12 16:06
1-Butanol	111	10.0	ug/mL	100.00	0.00	111 70-130
2-Butanol	106	10.0	"	100.00	0.00	106 70-130
Ethanol	106	10.0	"	100.00	0.00	106 70-130
Methanol	99.4	10.0	"	100.00	0.00	99 70-130
1-Propanol	107	10.0	"	100.00	0.00	107 70-130

Matrix Spike Dup (BB20401-MSD1)				Source: 1202001-17	Prepared: 02/04/12 07:04	Analyzed: 02/04/12 16:19
1-Butanol	111	10.0	ug/mL	100.00	0.00	111 70-130 0.2 25
2-Butanol	107	10.0	"	100.00	0.00	107 70-130 0.2 25
Ethanol	105	10.0	"	100.00	0.00	105 70-130 0.5 25
Methanol	100	10.0	"	100.00	0.00	100 70-130 0.7 25
1-Propanol	107	10.0	"	100.00	0.00	107 70-130 0.02 25



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Alcohols

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB20705 - Alcohols**Blank (BB20705-BLK1)**

1-Butanol	U	10.0	ug/mL							
2-Butanol	U	10.0	"							
Ethanol	U	10.0	"							
Methanol	U	10.0	"							
1-Propanol	U	10.0	"							

Prepared: 02/07/12 14:56 Analyzed: 02/08/12 10:13

LCS (BB20705-BS1)

1-Butanol	95.9	10.0	ug/mL	100.00	96	70-130				
2-Butanol	92.8	10.0	"	100.00	93	70-130				
Ethanol	93.5	10.0	"	100.00	93	70-130				
Methanol	88.7	10.0	"	100.00	89	70-130				
1-Propanol	93.4	10.0	"	100.00	93	70-130				

Prepared: 02/07/12 14:56 Analyzed: 02/08/12 10:27

Matrix Spike (BB20705-MS1)

	Source: 1202001-20		Prepared: 02/07/12 14:56	Analyzed: 02/08/12 10:54						
1-Butanol	99.5	10.0	ug/mL	100.00	0.00	99	70-130			
2-Butanol	96.2	10.0	"	100.00	0.00	96	70-130			
Ethanol	96.9	10.0	"	100.00	0.00	97	70-130			
Methanol	91.7	10.0	"	100.00	0.00	92	70-130			
1-Propanol	96.9	10.0	"	100.00	0.00	97	70-130			

Matrix Spike Dup (BB20705-MSD1)

	Source: 1202001-20		Prepared: 02/07/12 14:56	Analyzed: 02/08/12 11:08						
1-Butanol	102	10.0	ug/mL	100.00	0.00	102	70-130	2	25	
2-Butanol	98.2	10.0	"	100.00	0.00	98	70-130	2	25	
Ethanol	98.9	10.0	"	100.00	0.00	99	70-130	2	25	
Methanol	92.5	10.0	"	100.00	0.00	93	70-130	0.9	25	
1-Propanol	98.8	10.0	"	100.00	0.00	99	70-130	2	25	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB20502 - EPA 3520C SVOC**Blank (BB20502-BLK1)**

Prepared: 02/05/12 12:25 Analyzed: 02/07/12 10:59

Acenaphthene	U	5.00	ug/L							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	1.10	5.00	"							J
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	U	5.00	"							
Carbazole	U	5.00	"							
Caprolactam	U	5.00	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	0.065	5.00	"							J
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
2,4-Dinitrophenol	U	5.00	"							
Di-n-butyl phthalate	0.313	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							
Fluorene	U	5.00	"							



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB20502 - EPA 3520C SVOC

Blank (BB20502-BLK1)					Prepared: 02/05/12 12:25	Analyzed: 02/07/12 10:59				
Hexachlorobenzene	U	5.00	ug/L							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methoxyethanol	U	5.00	"							
1-Methylnaphthalene	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	10.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	5.00	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	5.00	"							
2,4,6-Trichlorophenol	U	5.00	"							
Decane, 3,3,4-trimethyl-	4.20		"							T
Cyclohexane, 1-methyl-2-propyl-	6.74		"							T
unknown (04)	3.70		"							T
unknown (03)	12.5		"							T
unknown (02)	3.80		"							T
unknown (01)	6.90		"							T
2-Hexene, 3,5,5-trimethyl-	2.59		"							T
Cyclododecane	16.7		"							T
Benzaldehyde, 3,5-dimethyl-	3.05		"							T
<i>Surrogate: 2-Fluorophenol</i>	28.2		"	100.00		28	21-110			
<i>Surrogate: Phenol-d5</i>	34.7		"	100.00		35	10-110			
<i>Surrogate: Nitrobenzene-d5</i>	27.4		"	50.000		55	35-114			

1202001 FINAL PART 2 OF 3

DAS R33907

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Page 143 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB20502 - EPA 3520C SVOC

Blank (BB20502-BLK1)				Prepared: 02/05/12 12:25		Analyzed: 02/07/12 10:59	
Surrogate: 2-Fluorobiphenyl	26.5		ug/L	50.000	53	43-116	
Surrogate: 2,4,6-Tribromophenol	2.63		"	100.00	3	10-123	A
Surrogate: Terphenyl-d14	36.1		"	50.000	72	33-141	
LCS (BB20502-BS1)				Prepared: 02/05/12 12:25		Analyzed: 02/06/12 17:18	
Benzo(a)pyrene	2.16	5.00	ug/L	5.0000	43	30-150	J
Bis(2-chloroethyl)ether	2.35	5.00	"	5.0000	47	30-150	J
4-Chloroaniline	2.56	5.00	"	5.0000	51	30-150	J
4-Chloro-3-methylphenol	2.68	5.00	"	5.0000	54	26-103	J
2-Chlorophenol	2.53	5.00	"	5.0000	51	25-102	J
Diethyl phthalate	2.56	5.00	"	5.0000	51	30-150	J
2,4-Dinitrotoluene	2.36	5.00	"	5.0000	47	28-89	J
Hexachlorobenzene	2.52	5.00	"	5.0000	50	30-150	J
Hexachlorobutadiene	2.29	5.00	"	5.0000	46	30-150	J
Hexachloroethane	2.41	5.00	"	5.0000	48	30-150	J
Isophorone	2.64	5.00	"	5.0000	53	30-150	J
2-Methoxyethanol	U	5.00	"	23.160		30-150	A
1-Methylnaphthalene	2.97	5.00	"	5.0000	59	30-150	J
Naphthalene	2.30	5.00	"	5.0000	46	30-150	J
Nitrobenzene	2.42	5.00	"	5.0000	48	30-150	J
4-Nitrophenol	1.22	10.0	"	5.0000	24	11-114	J
N-Nitroso-di-n-propylamine	2.73	5.00	"	5.0000	55	41-126	J
N-Nitrosodiphenylamine	2.83	5.00	"	5.0000	57	30-150	J
Pentachlorophenol	0.371	5.00	"	5.0000	7	17-109	A, J
Phenol	2.60	5.00	"	5.0000	52	26-90	J
2,4,5-Trichlorophenol	2.68	5.00	"	5.0000	54	30-150	J
2,4,6-Trichlorophenol	2.54	5.00	"	5.0000	51	30-150	J
Surrogate: 2-Fluorophenol	49.7		"	100.00	50	21-110	
Surrogate: Phenol-d5	54.6		"	100.00	55	10-110	
Surrogate: Nitrobenzene-d5	23.5		"	50.000	47	35-114	
Surrogate: 2-Fluorobiphenyl	24.3		"	50.000	49	43-116	
Surrogate: 2,4,6-Tribromophenol	53.7		"	100.00	54	10-123	
Surrogate: Terphenyl-d14	28.8		"	50.000	58	33-141	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB20502 - EPA 3520C SVOC

LCS (BB20502-BS2)		Prepared: 02/05/12 12:25			Analyzed: 02/06/12 18:09		
Benzo(a)pyrene	31.4	5.00	ug/L	60.000	52	30-150	
Bis(2-chloroethyl)ether	27.2	5.00	"	60.000	45	30-150	
4-Chloroaniline	30.5	5.00	"	60.000	51	30-150	
4-Chloro-3-methylphenol	34.5	5.00	"	60.000	57	26-103	
2-Chlorophenol	29.0	5.00	"	60.000	48	25-102	
Diethyl phthalate	31.1	5.00	"	60.000	52	30-150	
2,4-Dinitrotoluene	32.2	5.00	"	60.000	54	28-89	
Hexachlorobenzene	29.5	5.00	"	60.000	49	30-150	
Hexachlorobutadiene	23.2	5.00	"	60.000	39	30-150	
Hexachloroethane	23.8	5.00	"	60.000	40	30-150	
Isophorone	29.5	5.00	"	60.000	49	30-150	
2-Methoxyethanol	U	5.00	"	57.900		30-150	A
1-Methylnaphthalene	37.1	5.00	"	60.000	62	30-150	
Naphthalene	25.8	5.00	"	60.000	43	30-150	
Nitrobenzene	26.9	5.00	"	60.000	45	30-150	
4-Nitrophenol	36.2	10.0	"	60.000	60	11-114	
N-Nitroso-di-n-propylamine	30.8	5.00	"	60.000	51	41-126	
N-Nitrosodiphenylamine	32.1	5.00	"	60.000	53	30-150	
Pentachlorophenol	30.2	5.00	"	60.000	50	17-109	
Phenol	30.2	5.00	"	60.000	50	26-90	
2,4,5-Trichlorophenol	35.0	5.00	"	60.000	58	30-150	
2,4,6-Trichlorophenol	34.7	5.00	"	60.000	58	30-150	
<i>Surrogate: 2-Fluorophenol</i>	50.7	"	50.000		101	21-110	
<i>Surrogate: Phenol-d5</i>	56.4	"	50.000		113	10-110	A
<i>Surrogate: Nitrobenzene-d5</i>	24.5	"	25.000		98	35-114	
<i>Surrogate: 2-Fluorobiphenyl</i>	25.2	"	25.000		101	43-116	
<i>Surrogate: 2,4,6-Tribromophenol</i>	64.1	"	50.000		128	10-123	A
<i>Surrogate: Terphenyl-d14</i>	29.4	"	25.000		117	33-141	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB20502 - EPA 3520C SVOC

Matrix Spike (BB20502-MS1)	Source: 1202001-17		Prepared: 02/05/12 12:25		Analyzed: 02/07/12 01:44		
Benzo(a)pyrene	28.0	5.00	ug/L	60.000	0.00	47	30-150
Bis(2-chloroethyl)ether	20.8	5.00	"	60.000	0.00	35	30-150
4-Chloroaniline	27.2	5.00	"	60.000	0.00	45	30-150
4-Chloro-3-methylphenol	31.5	5.00	"	60.000	0.00	53	26-103
2-Chlorophenol	22.2	5.00	"	60.000	0.00	37	25-102
Diethyl phthalate	29.0	5.00	"	60.000	0.035	48	30-150
2,4-Dinitrotoluene	29.9	5.00	"	60.000	0.00	50	28-89
Hexachlorobenzene	26.0	5.00	"	60.000	0.00	43	30-150
Hexachlorobutadiene	19.1	5.00	"	60.000	0.00	32	30-150
Hexachloroethane	17.2	5.00	"	60.000	0.00	29	30-150
Isophorone	27.1	5.00	"	60.000	0.00	45	30-150
2-Methoxyethanol	U	5.00	"	57.900	0.00	30-150	A
1-Methylnaphthalene	32.8	5.00	"	60.000	0.00	55	30-150
Naphthalene	21.9	5.00	"	60.000	0.00	37	30-150
Nitrobenzene	23.6	5.00	"	60.000	0.00	39	30-150
4-Nitrophenol	36.1	10.0	"	60.000	0.00	60	11-114
N-Nitroso-di-n-propylamine	27.7	5.00	"	60.000	0.00	46	41-126
N-Nitrosodiphenylamine	28.3	5.00	"	60.000	0.00	47	30-150
Pentachlorophenol	26.1	5.00	"	60.000	0.00	44	17-109
Phenol	24.4	5.00	"	60.000	0.00	41	26-90
2,4,5-Trichlorophenol	30.9	5.00	"	60.000	0.00	52	30-150
2,4,6-Trichlorophenol	30.3	5.00	"	60.000	0.00	51	30-150
<i>Surrogate: 2-Fluorophenol</i>	35.0	"	100.00		35	21-110	
<i>Surrogate: Phenol-d5</i>	44.9	"	100.00		45	10-110	
<i>Surrogate: Nitrobenzene-d5</i>	21.1	"	50.000		42	35-114	
<i>Surrogate: 2-Fluorobiphenyl</i>	21.8	"	50.000		44	43-116	
<i>Surrogate: 2,4,6-Tribromophenol</i>	53.7	"	100.00		54	10-123	
<i>Surrogate: Terphenyl-d14</i>	24.2	"	50.000		48	33-141	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB20502 - EPA 3520C SVOC

Matrix Spike Dup (BB20502-MSD1)	Source: 1202001-17		Prepared: 02/05/12 12:25		Analyzed: 02/07/12 02:34				
Benzo(a)pyrene	24.5	5.00	ug/L	60.000	0.00	41	30-150	14	25
Bis(2-chloroethyl)ether	23.3	5.00	"	60.000	0.00	39	30-150	11	25
4-Chloroaniline	26.6	5.00	"	60.000	0.00	44	30-150	3	25
4-Chloro-3-methylphenol	29.2	5.00	"	60.000	0.00	49	26-103	8	33
2-Chlorophenol	24.6	5.00	"	60.000	0.00	41	25-102	10	50
Diethyl phthalate	26.5	5.00	"	60.000	0.035	44	30-150	9	25
2,4-Dinitrotoluene	27.3	5.00	"	60.000	0.00	46	28-89	9	47
Hexachlorobenzene	23.9	5.00	"	60.000	0.00	40	30-150	8	25
Hexachlorobutadiene	22.1	5.00	"	60.000	0.00	37	30-150	15	200
Hexachloroethane	22.4	5.00	"	60.000	0.00	37	30-150	26	25
Isophorone	25.8	5.00	"	60.000	0.00	43	30-150	5	25
2-Methoxyethanol	U	5.00	"	57.900	0.00		30-150		25
1-Methylnaphthalene	32.1	5.00	"	60.000	0.00	53	30-150	2	25
Naphthalene	23.7	5.00	"	60.000	0.00	39	30-150	8	25
Nitrobenzene	24.3	5.00	"	60.000	0.00	40	30-150	3	200
4-Nitrophenol	33.5	10.0	"	60.000	0.00	56	11-114	7	50
N-Nitroso-di-n-propylamine	26.7	5.00	"	60.000	0.00	44	41-126	4	38
N-Nitrosodiphenylamine	26.3	5.00	"	60.000	0.00	44	30-150	7	25
Pentachlorophenol	24.8	5.00	"	60.000	0.00	41	17-109	5	47
Phenol	25.7	5.00	"	60.000	0.00	43	26-90	5	35
2,4,5-Trichlorophenol	28.9	5.00	"	60.000	0.00	48	30-150	7	200
2,4,6-Trichlorophenol	28.7	5.00	"	60.000	0.00	48	30-150	6	200
<i>Surrogate: 2-Fluorophenol</i>	42.0		"	100.00		42	21-110		
<i>Surrogate: Phenol-d5</i>	47.6		"	100.00		48	10-110		
<i>Surrogate: Nitrobenzene-d5</i>	21.7		"	50.000		43	35-114		
<i>Surrogate: 2-Fluorobiphenyl</i>	20.8		"	50.000		42	43-116		A
<i>Surrogate: 2,4,6-Tribromophenol</i>	51.1		"	100.00		51	10-123		
<i>Surrogate: Terphenyl-d14</i>	21.5		"	50.000		43	33-141		



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB20801 - EPA 3520C SVOC**Blank (BB20801-BLK1)**

Prepared: 02/08/12 07:30 Analyzed: 02/14/12 15:03

Acenaphthene	U	5.00	ug/L							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	0.101	5.00	"							J
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	U	5.00	"							
Carbazole	U	5.00	"							
Caprolactam	U	5.00	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	0.018	5.00	"							J
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
2,4-Dinitrophenol	U	5.00	"							
Di-n-butyl phthalate	0.672	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							
Fluorene	U	5.00	"							



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB20801 - EPA 3520C SVOC**Blank (BB20801-BLK1)**

Prepared: 02/08/12 07:30 Analyzed: 02/14/12 15:03

Hexachlorobenzene	U	5.00	ug/L							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methoxyethanol	U	5.00	"							
1-Methylnaphthalene	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	10.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	5.00	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	5.00	"							
2,4,6-Trichlorophenol	U	5.00	"							
<i>Surrogate: 2-Fluorophenol</i>	34.9	"	100.00		35	21-110				
<i>Surrogate: Phenol-d5</i>	67.0	"	100.00		67	10-110				
<i>Surrogate: Nitrobenzene-d5</i>	32.7	"	50.000		65	35-114				
<i>Surrogate: 2-Fluorobiphenyl</i>	41.0	"	50.000		82	43-116				
<i>Surrogate: 2,4,6-Tribromophenol</i>	86.1	"	100.00		86	10-123				
<i>Surrogate: Terphenyl-d14</i>	47.1	"	50.000		94	33-141				



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB20801 - EPA 3520C SVOC

LCS (BB20801-BS1)					Prepared: 02/08/12 07:30	Analyzed: 02/14/12 15:54	
Benzo(a)pyrene	4.06	5.00	ug/L	5.0000	81	30-150	J
Bis(2-chloroethyl)ether	4.44	5.00	"	5.0000	89	30-150	J
4-Chloroaniline	0.370	5.00	"	5.0000	7	30-150	A, J
4-Chloro-3-methylphenol	4.79	5.00	"	5.0000	96	26-103	J
2-Chlorophenol	4.37	5.00	"	5.0000	87	25-102	J
Diethyl phthalate	5.14	5.00	"	5.0000	103	30-150	
2,4-Dinitrotoluene	4.67	5.00	"	5.0000	93	28-89	A, J
Hexachlorobenzene	5.01	5.00	"	5.0000	100	30-150	
Hexachlorobutadiene	4.60	5.00	"	5.0000	92	30-150	J
Hexachloroethane	4.56	5.00	"	5.0000	91	30-150	J
Isophorone	4.68	5.00	"	5.0000	94	30-150	J
2-Methoxyethanol	U	5.00	"	23.160		30-150	A
1-Methylnaphthalene	5.27	5.00	"	5.0000	105	30-150	
Naphthalene	5.23	5.00	"	5.0000	105	30-150	
Nitrobenzene	4.58	5.00	"	5.0000	92	30-150	J
4-Nitrophenol	4.02	10.0	"	5.0000	80	11-114	J
N-Nitroso-di-n-propylamine	4.48	5.00	"	5.0000	90	41-126	J
N-Nitrosodiphenylamine	4.55	5.00	"	5.0000	91	30-150	J
Pentachlorophenol	3.38	5.00	"	5.0000	68	17-109	J
Phenol	4.46	5.00	"	5.0000	89	26-90	J
2,4,5-Trichlorophenol	5.05	5.00	"	5.0000	101	30-150	
2,4,6-Trichlorophenol	4.76	5.00	"	5.0000	95	30-150	J
<i>Surrogate: 2-Fluorophenol</i>	77.6	"	100.00		78	21-110	
<i>Surrogate: Phenol-d5</i>	83.8	"	100.00		84	10-110	
<i>Surrogate: Nitrobenzene-d5</i>	39.5	"	50.000		79	35-114	
<i>Surrogate: 2-Fluorobiphenyl</i>	42.0	"	50.000		84	43-116	
<i>Surrogate: 2,4,6-Tribromophenol</i>	90.4	"	100.00		90	10-123	
<i>Surrogate: Terphenyl-d14</i>	45.0	"	50.000		90	33-141	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB20801 - EPA 3520C SVOC

LCS (BB20801-BS2)		Prepared: 02/08/12 07:30			Analyzed: 02/14/12 16:45		
Benzo(a)pyrene	53.4	5.00	ug/L	60.000	89	30-150	
Bis(2-chloroethyl)ether	41.9	5.00	"	60.000	70	30-150	
4-Chloroaniline	31.6	5.00	"	60.000	53	30-150	
4-Chloro-3-methylphenol	50.5	5.00	"	60.000	84	26-103	
2-Chlorophenol	43.5	5.00	"	60.000	72	25-102	
Diethyl phthalate	50.7	5.00	"	60.000	84	30-150	
2,4-Dinitrotoluene	56.3	5.00	"	60.000	94	28-89	A
Hexachlorobenzene	50.3	5.00	"	60.000	84	30-150	
Hexachlorobutadiene	38.0	5.00	"	60.000	63	30-150	
Hexachloroethane	32.3	5.00	"	60.000	54	30-150	
Isophorone	46.4	5.00	"	60.000	77	30-150	
2-Methoxyethanol	23.9	5.00	"	57.900	41	30-150	
1-Methylnaphthalene	48.6	5.00	"	60.000	81	30-150	
Naphthalene	41.5	5.00	"	60.000	69	30-150	
Nitrobenzene	45.1	5.00	"	60.000	75	30-150	
4-Nitrophenol	61.0	10.0	"	60.000	102	11-114	
N-Nitroso-di-n-propylamine	46.2	5.00	"	60.000	77	41-126	
N-Nitrosodiphenylamine	43.6	5.00	"	60.000	73	30-150	
Pentachlorophenol	51.7	5.00	"	60.000	86	17-109	
Phenol	45.2	5.00	"	60.000	75	26-90	
2,4,5-Trichlorophenol	50.9	5.00	"	60.000	85	30-150	
2,4,6-Trichlorophenol	51.3	5.00	"	60.000	85	30-150	
Surrogate: 2-Fluorophenol	77.6	"	100.00		78	21-110	
Surrogate: Phenol-d5	83.6	"	100.00		84	10-110	
Surrogate: Nitrobenzene-d5	42.2	"	50.000		84	35-114	
Surrogate: 2-Fluorobiphenyl	45.0	"	50.000		90	43-116	
Surrogate: 2,4,6-Tribromophenol	97.4	"	100.00		97	10-123	
Surrogate: Terphenyl-d14	46.2	"	50.000		92	33-141	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB21005 - VOC Purge and Trap**Blank (BB21005-BLK1)**

Prepared: 02/08/12 09:00 Analyzed: 02/08/12 11:45

Acetone	U	2.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	2.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB21005 - VOC Purge and Trap**Blank (BB21005-BLK1)**

Prepared: 02/08/12 09:00 Analyzed: 02/08/12 11:45

Hexachlorobutadiene	U	0.5	ug/L							
2-Hexanone	U	2.0	"							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	2.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	3.890	"	4.0000		97	86-115				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.000	"	4.0000		100	76-114				
<i>Surrogate: Toluene-d8</i>	4.280	"	4.0000		107	88-110				



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB21005 - VOC Purge and Trap**Blank (BB21005-BLK2)**

Prepared & Analyzed: 02/09/12 10:56

Acetone	U	2.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	2.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB21005 - VOC Purge and Trap**Blank (BB21005-BLK2)**

Prepared & Analyzed: 02/09/12 10:56

Hexachlorobutadiene	U	0.5	ug/L							
2-Hexanone	U	2.0	"							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	2.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	3.980	"	4.0000		100	86-115				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	4.130	"	4.0000		103	76-114				
<i>Surrogate: Toluene-d8</i>	4.160	"	4.0000		104	88-110				



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB21005 - VOC Purge and Trap

LCS (BB21005-BS1)					Prepared: 02/07/12 09:00	Analyzed: 02/07/12 21:42	
Acetone	0.64	2.0	ug/L			80-120	J
Benzene	4.55	0.5	"	5.0000	91	80-120	
Bromobenzene	5.32	0.5	"	5.0000	106	80-120	
Bromoform	4.41	0.5	"	5.0000	88	80-120	
Bromochloromethane	4.62	0.5	"	5.0000	92	80-120	
Bromodichloromethane	5.01	0.5	"	5.0000	100	80-120	
Bromomethane	5.75	0.5	"	5.0000	115	80-120	
2-Butanone	U	2.0	"			80-120	
sec-Butylbenzene	5.58	0.5	"	5.0000	112	80-120	
tert-Butylbenzene	5.63	0.5	"	5.0000	113	80-120	
n-Butylbenzene	5.80	0.5	"	5.0000	116	80-120	
Carbon disulfide	U	0.5	"			80-120	
Carbon Tetrachloride	4.37	0.5	"	5.0000	87	80-120	
Chlorobenzene	5.04	0.5	"	5.0000	101	80-120	
Chlorodibromomethane	4.91	0.5	"	5.0000	98	80-120	
Chloroethane	5.08	0.5	"	5.0000	102	80-120	
Chloroform	4.63	0.5	"	5.0000	93	80-120	
Chloromethane	5.69	0.5	"	5.0000	114	80-120	
2-Chlorotoluene	5.24	0.5	"	5.0000	105	80-120	
4-Chlorotoluene	5.36	0.5	"	5.0000	107	80-120	
Cyclohexane	U	0.5	"			80-120	
1,2-Dibromo-3-chloropropane	5.24	0.5	"	5.0000	105	80-120	
1,2-Dibromoethane (EDB)	4.65	0.5	"	5.0000	93	80-120	
Dibromomethane	4.54	0.5	"	5.0000	91	80-120	
1,2-Dichlorobenzene	5.28	0.5	"	5.0000	106	80-120	
1,3-Dichlorobenzene	5.36	0.5	"	5.0000	107	80-120	
1,4-Dichlorobenzene	5.37	0.5	"	5.0000	107	80-120	
Dichlorodifluoromethane	7.11	0.5	"	5.0000	142	80-120	A
1,1-Dichloroethane	4.54	0.5	"	5.0000	91	80-120	
1,2-Dichloroethane	4.56	0.5	"	5.0000	91	80-120	
1,1-Dichloroethene	4.52	0.5	"	5.0000	90	80-120	
cis-1,2-Dichloroethene	4.44	0.5	"	5.0000	89	80-120	
trans-1,2-Dichloroethene	4.47	0.5	"	5.0000	89	80-120	
1,2-Dichloropropane	4.65	0.5	"	5.0000	93	80-120	
1,3-Dichloropropane	4.89	0.5	"	5.0000	98	80-120	
2,2-Dichloropropane	4.11	0.5	"	5.0000	82	80-120	
1,1-Dichloropropene	4.59	0.5	"	5.0000	92	80-120	
cis-1,3-Dichloropropene	4.44	0.5	"	5.0000	89	80-120	
trans-1,3-Dichloropropene	5.26	0.5	"	5.0000	105	80-120	
Ethylbenzene	5.31	0.5	"	5.0000	106	80-120	
Freon 113	U	0.5	"			80-120	

1202001 FINAL PART 2 OF 3

DAS R33907

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Page 156 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB21005 - VOC Purge and Trap

		Prepared: 02/07/12 09:00			Analyzed: 02/07/12 21:42		
LCS (BB21005-BS1)							
Hexachlorobutadiene	5.63	0.5	ug/L	5.0000		113	80-120
2-Hexanone	U	2.0	"				80-120
Isopropylbenzene	5.98	0.5	"	5.0000		120	80-120
p-Isopropyltoluene	6.00	0.5	"	5.0000		120	80-120
Methyl Acetate	U	0.5	"				80-120
Methylcyclohexane	U	0.5	"				80-120
Methyl-tert-butyl ether	U	0.5	"				80-120
Methylene Chloride	4.26	0.5	"	5.0000		85	80-120
4-Methyl-2-pentanone	U	2.0	"				80-120
Naphthalene	5.62	0.5	"	5.0000		112	80-120
n-Propylbenzene	5.64	0.5	"	5.0000		113	80-120
1,1,2,2-Tetrachloroethane	4.68	0.5	"	5.0000		94	80-120
1,1,1,2-Tetrachloroethane	5.06	0.5	"	5.0000		101	80-120
Tetrachloroethene	5.24	0.5	"	5.0000		105	80-120
Toluene	4.89	0.5	"	5.0000		98	80-120
1,2,3-Trichlorobenzene	5.53	0.5	"	5.0000		111	80-120
1,2,4-Trichlorobenzene	5.73	0.5	"	5.0000		115	80-120
1,1,1-Trichloroethane	4.46	0.5	"	5.0000		89	80-120
1,1,2-Trichloroethane	5.20	0.5	"	5.0000		104	80-120
Trichloroethene	4.53	0.5	"	5.0000		91	80-120
Trichlorofluoromethane	4.52	0.5	"	5.0000		90	80-120
1,2,3-Trichloropropane	5.05	0.5	"	5.0000		101	80-120
1,2,4-Trimethylbenzene	5.49	0.5	"	5.0000		110	80-120
1,3,5-Trimethylbenzene	5.52	0.5	"	5.0000		110	80-120
Vinyl acetate	U	0.5	"				80-120
Vinyl chloride	5.41	0.5	"	5.0000		108	80-120
m-Xylene/p-Xylene	10.43	1.0	"	10.000		104	80-120
Surrogate: 4-Bromofluorobenzene	3.960		"	4.0000		99	86-115
Surrogate: 1,2-Dichloroethane-d4	4.090		"	4.0000		102	76-114
Surrogate: Toluene-d8	4.070		"	4.0000		102	88-110



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB21005 - VOC Purge and Trap

Matrix Spike (BB21005-MS1)	Source: 1202001-17			Prepared & Analyzed: 02/09/12 18:31				
Acetone	5.66	2.0	ug/L	5.0000	1.34	86	70-130	
Benzene	5.02	0.5	"	5.0000	0.00	100	76-127	
Bromo-benzene	5.19	0.5	"	5.0000	0.00	104	70-130	
Bromo-chloromethane	4.96	0.5	"	5.0000	0.00	99	70-130	
Bromo-dichloromethane	5.14	0.5	"	5.0000	0.00	103	70-130	
Bromoform	4.93	0.5	"	5.0000	0.00	99	70-130	
Bromo-methane	3.87	0.5	"	5.0000	0.00	77	70-130	
2-Butanone	5.18	2.0	"	5.0000	0.00	104	70-130	
sec-Butylbenzene	6.04	0.5	"	5.0000	0.00	121	70-130	
tert-Butylbenzene	5.94	0.5	"	5.0000	0.00	119	70-130	
n-Butylbenzene	6.27	0.5	"	5.0000	0.00	125	70-130	
Carbon disulfide	4.74	0.5	"	5.0000	0.00	95	70-130	
Carbon Tetrachloride	4.96	0.5	"	5.0000	0.00	99	70-130	
Chloro-benzene	5.00	0.5	"	5.0000	0.00	100	75-130	
Chloro-dibromomethane	4.76	0.5	"	5.0000	0.00	95	70-130	
Chloro-ethane	5.39	0.5	"	5.0000	0.00	108	70-130	
Chloro-form	5.06	0.5	"	5.0000	0.00	101	70-130	
Chloro-methane	4.69	0.5	"	5.0000	0.00	94	70-130	
2-Chloro-toluene	5.44	0.5	"	5.0000	0.00	109	70-130	
4-Chloro-toluene	5.35	0.5	"	5.0000	0.00	107	70-130	
1,2-Dibromo-3-chloropropane	5.15	0.5	"	5.0000	0.00	103	70-130	
1,2-Dibromoethane (EDB)	4.90	0.5	"	5.0000	0.00	98	70-130	
Dibromo-methane	4.78	0.5	"	5.0000	0.00	96	70-130	
1,2-Dichloro-benzene	5.14	0.5	"	5.0000	0.00	103	70-130	
1,3-Dichloro-benzene	5.13	0.5	"	5.0000	0.00	103	70-130	
1,4-Dichloro-benzene	5.16	0.5	"	5.0000	0.00	103	70-130	
Dichloro-difluoromethane	5.29	0.5	"	5.0000	0.00	106	70-130	
1,1-Dichloro-ethane	4.99	0.5	"	5.0000	0.00	100	70-130	
1,2-Dichloro-ethane	5.06	0.5	"	5.0000	0.00	101	70-130	
1,1-Dichloro-ethene	4.06	0.5	"	5.0000	0.00	81	61-145	
cis-1,2-Dichloro-ethene	5.01	0.5	"	5.0000	0.00	100	70-130	
trans-1,2-Dichloro-ethene	4.94	0.5	"	5.0000	0.12	96	70-130	
1,2-Dichloro-propane	5.12	0.5	"	5.0000	0.00	102	70-130	
1,3-Dichloro-propane	4.94	0.5	"	5.0000	0.00	99	70-130	
2,2-Dichloro-propane	4.25	0.5	"	5.0000	0.00	85	70-130	
1,1-Dichloro-propene	5.14	0.5	"	5.0000	0.00	103	70-130	
cis-1,3-Dichloro-propene	5.00	0.5	"	5.2500	0.00	95	70-130	
trans-1,3-Dichloro-propene	4.87	0.5	"	4.7500	0.00	103	70-130	
Ethylbenzene	5.62	0.5	"	5.0000	0.00	112	70-130	
Hexachlorobutadiene	5.83	0.5	"	5.0000	0.00	117	70-130	
2-Hexanone	4.48	2.0	"	5.0000	0.00	90	70-130	

1202001 FINAL PART 2 OF 3

DAS R33907

03 05 12 848

Page 158 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB21005 - VOC Purge and Trap

Matrix Spike (BB21005-MS1)	Source: 1202001-17			Prepared & Analyzed: 02/09/12 18:31				
Isopropylbenzene	5.55	0.5	ug/L	5.0000	0.00	111	70-130	
p-Isopropyltoluene	5.92	0.5	"	5.0000	0.00	118	70-130	
Methylene Chloride	4.48	0.5	"	5.0000	0.00	90	70-130	
4-Methyl-2-pentanone	4.43	2.0	"	5.0000	0.00	89	70-130	
Naphthalene	5.13	0.5	"	5.0000	0.00	103	70-130	
n-Propylbenzene	5.88	0.5	"	5.0000	0.00	118	70-130	
1,1,2,2-Tetrachloroethane	5.07	0.5	"	5.0000	0.00	101	70-130	
1,1,1,2-Tetrachloroethane	4.99	0.5	"	5.0000	0.00	100	70-130	
Tetrachloroethene	5.31	0.5	"	5.0000	0.00	106	70-130	
Toluene	5.11	0.5	"	5.0000	0.00	102	76-125	
1,2,3-Trichlorobenzene	5.21	0.5	"	5.0000	0.00	104	70-130	
1,2,4-Trichlorobenzene	5.16	0.5	"	5.0000	0.00	103	70-130	
1,1,1-Trichloroethane	5.03	0.5	"	5.0000	0.00	101	70-130	
1,1,2-Trichloroethane	5.03	0.5	"	5.0000	0.00	101	70-130	
Trichloroethene	5.02	0.5	"	5.0000	0.00	100	71-120	
Trichlorofluoromethane	5.22	0.5	"	5.0000	0.00	104	70-130	
1,2,3-Trichloropropane	4.92	0.5	"	5.0000	0.00	98	70-130	
1,2,4-Trimethylbenzene	5.70	0.5	"	5.0000	0.00	114	70-130	
1,3,5-Trimethylbenzene	5.82	0.5	"	5.0000	0.00	116	70-130	
Vinyl acetate	4.06	0.5	"	5.0000	0.00	81	70-130	
Vinyl chloride	4.84	0.5	"	5.0000	0.00	97	70-130	
m-Xylene/p-Xylene	10.94	1.0	"	10.000	0.00	109	70-130	
Surrogate: 4-Bromofluorobenzene	4.000		"	4.0000		100	86-115	
Surrogate: 1,2-Dichloroethane-d4	4.140		"	4.0000		104	76-114	
Surrogate: Toluene-d8	4.040		"	4.0000		101	88-110	

Matrix Spike (BB21005-MS2)	Source: 1202001-23			Prepared & Analyzed: 02/09/12 19:24				
Acetone	4.75	2.0	ug/L	5.0000	0.75	80	70-130	
Benzene	5.05	0.5	"	5.0000	0.00	101	76-127	
Bromobenzene	5.22	0.5	"	5.0000	0.00	104	70-130	
Bromochloromethane	4.77	0.5	"	5.0000	0.00	95	70-130	
Bromodichloromethane	4.93	0.5	"	5.0000	0.00	99	70-130	
Bromoform	4.61	0.5	"	5.0000	0.00	92	70-130	
Bromomethane	3.63	0.5	"	5.0000	0.00	73	70-130	
2-Butanone	5.29	2.0	"	5.0000	0.00	106	70-130	
sec-Butylbenzene	6.23	0.5	"	5.0000	0.00	125	70-130	
tert-Butylbenzene	6.13	0.5	"	5.0000	0.00	123	70-130	
n-Butylbenzene	6.59	0.5	"	5.0000	0.00	132	70-130	A
Carbon disulfide	4.87	0.5	"	5.0000	0.00	97	70-130	
Carbon Tetrachloride	4.89	0.5	"	5.0000	0.00	98	70-130	
Chlorobenzene	4.99	0.5	"	5.0000	0.00	100	75-130	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB21005 - VOC Purge and Trap

Matrix Spike (BB21005-MS2)	Source: 1202001-23			Prepared & Analyzed: 02/09/12 19:24				
Chlorodibromomethane	4.68	0.5	ug/L	5.0000	0.00	94	70-130	
Chloroethane	4.75	0.5	"	5.0000	0.00	95	70-130	
Chloroform	4.89	0.5	"	5.0000	0.00	98	70-130	
Chloromethane	4.71	0.5	"	5.0000	0.00	94	70-130	
2-Chlorotoluene	5.53	0.5	"	5.0000	0.00	111	70-130	
4-Chlorotoluene	5.52	0.5	"	5.0000	0.00	110	70-130	
1,2-Dibromo-3-chloropropane	4.30	0.5	"	5.0000	0.00	86	70-130	
1,2-Dibromoethane (EDB)	4.88	0.5	"	5.0000	0.00	98	70-130	
Dibromomethane	4.49	0.5	"	5.0000	0.00	90	70-130	
1,2-Dichlorobenzene	5.15	0.5	"	5.0000	0.00	103	70-130	
1,3-Dichlorobenzene	5.25	0.5	"	5.0000	0.00	105	70-130	
1,4-Dichlorobenzene	5.22	0.5	"	5.0000	0.00	104	70-130	
Dichlorodifluoromethane	5.20	0.5	"	5.0000	0.00	104	70-130	
1,1-Dichloroethane	5.03	0.5	"	5.0000	0.00	101	70-130	
1,2-Dichloroethane	4.78	0.5	"	5.0000	0.00	96	70-130	
1,1-Dichloroethene	4.17	0.5	"	5.0000	0.00	83	61-145	
cis-1,2-Dichloroethene	4.88	0.5	"	5.0000	0.00	98	70-130	
trans-1,2-Dichloroethene	5.05	0.5	"	5.0000	0.00	101	70-130	
1,2-Dichloropropane	4.94	0.5	"	5.0000	0.00	99	70-130	
1,3-Dichloropropane	4.90	0.5	"	5.0000	0.00	98	70-130	
2,2-Dichloropropane	4.44	0.5	"	5.0000	0.00	89	70-130	
1,1-Dichloropropene	5.37	0.5	"	5.0000	0.00	107	70-130	
cis-1,3-Dichloropropene	4.90	0.5	"	5.2500	0.00	93	70-130	
trans-1,3-Dichloropropene	4.84	0.5	"	4.7500	0.00	102	70-130	
Ethylbenzene	5.55	0.5	"	5.0000	0.00	111	70-130	
Hexachlorobutadiene	6.35	0.5	"	5.0000	0.00	127	70-130	
2-Hexanone	4.44	2.0	"	5.0000	0.00	89	70-130	
Isopropylbenzene	5.69	0.5	"	5.0000	0.00	114	70-130	
p-Isopropyltoluene	6.12	0.5	"	5.0000	0.00	122	70-130	
Methylene Chloride	4.53	0.5	"	5.0000	0.00	91	70-130	
4-Methyl-2-pentanone	4.94	2.0	"	5.0000	0.00	99	70-130	
Naphthalene	5.41	0.5	"	5.0000	0.00	108	70-130	
n-Propylbenzene	6.09	0.5	"	5.0000	0.00	122	70-130	
1,1,2,2-Tetrachloroethane	4.85	0.5	"	5.0000	0.00	97	70-130	
1,1,1,2-Tetrachloroethane	4.93	0.5	"	5.0000	0.00	99	70-130	
Tetrachloroethene	5.35	0.5	"	5.0000	0.00	107	70-130	
Toluene	5.20	0.5	"	5.0000	0.06	103	76-125	
1,2,3-Trichlorobenzene	5.36	0.5	"	5.0000	0.00	107	70-130	
1,2,4-Trichlorobenzene	5.47	0.5	"	5.0000	0.00	109	70-130	
1,1,1-Trichloroethane	5.18	0.5	"	5.0000	0.00	104	70-130	
1,1,2-Trichloroethane	4.88	0.5	"	5.0000	0.00	98	70-130	

1202001 FINAL PART 2 OF 3

DAS R33907

03 05 12 848

Page 160 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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Batch BB21005 - VOC Purge and Trap

Matrix Spike (BB21005-MS2)	Source: 1202001-23			Prepared & Analyzed: 02/09/12 19:24					
Trichloroethene	5.09	0.5	ug/L	5.0000	0.00	102	71-120		
Trichlorofluoromethane	5.05	0.5	"	5.0000	0.00	101	70-130		
1,2,3-Trichloropropane	5.13	0.5	"	5.0000	0.00	103	70-130		
1,2,4-Trimethylbenzene	5.82	0.5	"	5.0000	0.00	116	70-130		
1,3,5-Trimethylbenzene	5.99	0.5	"	5.0000	0.00	120	70-130		
Vinyl acetate	4.40	0.5	"	5.0000	0.00	88	70-130		
Vinyl chloride	4.93	0.5	"	5.0000	0.00	99	70-130		
m-Xylene/p-Xylene	11.00	1.0	"	10.000	0.00	110	70-130		
<i>Surrogate: 4-Bromofluorobenzene</i>	4.130		"	4.0000		103	86-115		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	3.960		"	4.0000		99	76-114		
<i>Surrogate: Toluene-d8</i>	4.020		"	4.0000		100	88-110		

Matrix Spike Dup (BB21005-MSD1)	Source: 1202001-17			Prepared & Analyzed: 02/09/12 18:57					
Acetone	5.15	2.0	ug/L	5.0000	1.34	76	70-130	9	20
Benzene	5.20	0.5	"	5.0000	0.00	104	76-127	4	11
Bromobenzene	5.52	0.5	"	5.0000	0.00	110	70-130	6	20
Bromochloromethane	4.73	0.5	"	5.0000	0.00	95	70-130	5	20
Bromodichloromethane	5.13	0.5	"	5.0000	0.00	103	70-130	0.2	20
Bromoform	5.09	0.5	"	5.0000	0.00	102	70-130	3	20
Bromomethane	3.70	0.5	"	5.0000	0.00	74	70-130	4	20
2-Butanone	5.07	2.0	"	5.0000	0.00	101	70-130	2	20
sec-Butylbenzene	7.00	0.5	"	5.0000	0.00	140	70-130	15	20
tert-Butylbenzene	6.83	0.5	"	5.0000	0.00	137	70-130	14	20
n-Butylbenzene	7.35	0.5	"	5.0000	0.00	147	70-130	16	20
Carbon disulfide	4.74	0.5	"	5.0000	0.00	95	70-130	0	20
Carbon Tetrachloride	5.27	0.5	"	5.0000	0.00	105	70-130	6	20
Chlorobenzene	5.39	0.5	"	5.0000	0.00	108	75-130	8	13
Chlorodibromomethane	4.87	0.5	"	5.0000	0.00	97	70-130	2	20
Chloroethane	5.68	0.5	"	5.0000	0.00	114	70-130	5	20
Chloroform	5.06	0.5	"	5.0000	0.00	101	70-130	0	20
Chloromethane	4.67	0.5	"	5.0000	0.00	93	70-130	0.4	20
2-Chlorotoluene	5.94	0.5	"	5.0000	0.00	119	70-130	9	20
4-Chlorotoluene	6.00	0.5	"	5.0000	0.00	120	70-130	11	20
1,2-Dibromo-3-chloropropane	5.44	0.5	"	5.0000	0.00	109	70-130	5	20
1,2-Dibromoethane (EDB)	5.14	0.5	"	5.0000	0.00	103	70-130	5	20
Dibromomethane	4.74	0.5	"	5.0000	0.00	95	70-130	0.8	20
1,2-Dichlorobenzene	5.74	0.5	"	5.0000	0.00	115	70-130	11	20
1,3-Dichlorobenzene	5.75	0.5	"	5.0000	0.00	115	70-130	11	20
1,4-Dichlorobenzene	5.61	0.5	"	5.0000	0.00	112	70-130	8	20
Dichlorodifluoromethane	5.53	0.5	"	5.0000	0.00	111	70-130	4	20
1,1-Dichloroethane	5.15	0.5	"	5.0000	0.00	103	70-130	3	20



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB21005 - VOC Purge and Trap

Matrix Spike Dup (BB21005-MSD1)	Source: 1202001-17		Prepared & Analyzed: 02/09/12 18:57						
1,2-Dichloroethane	5.01	0.5	ug/L	5.0000	0.00	100	70-130	1	20
1,1-Dichloroethene	4.47	0.5	"	5.0000	0.00	89	61-145	10	14
cis-1,2-Dichloroethene	5.00	0.5	"	5.0000	0.00	100	70-130	0.2	20
trans-1,2-Dichloroethene	5.31	0.5	"	5.0000	0.12	104	70-130	7	20
1,2-Dichloropropane	5.20	0.5	"	5.0000	0.00	104	70-130	2	20
1,3-Dichloropropane	5.01	0.5	"	5.0000	0.00	100	70-130	1	20
2,2-Dichloropropane	4.79	0.5	"	5.0000	0.00	96	70-130	12	20
1,1-Dichloropropene	5.58	0.5	"	5.0000	0.00	112	70-130	8	20
cis-1,3-Dichloropropene	4.99	0.5	"	5.2500	0.00	95	70-130	0.2	20
trans-1,3-Dichloropropene	4.92	0.5	"	4.7500	0.00	104	70-130	1	20
Ethylbenzene	6.10	0.5	"	5.0000	0.00	122	70-130	8	20
Hexachlorobutadiene	6.98	0.5	"	5.0000	0.00	140	70-130	18	20
2-Hexanone	4.61	2.0	"	5.0000	0.00	92	70-130	3	20
Isopropylbenzene	6.34	0.5	"	5.0000	0.00	127	70-130	13	20
p-Isopropyltoluene	6.89	0.5	"	5.0000	0.00	138	70-130	15	20
Methylene Chloride	4.57	0.5	"	5.0000	0.00	91	70-130	2	20
4-Methyl-2-pentanone	4.79	2.0	"	5.0000	0.00	96	70-130	8	20
Naphthalene	5.67	0.5	"	5.0000	0.00	113	70-130	10	20
n-Propylbenzene	6.75	0.5	"	5.0000	0.00	135	70-130	14	20
1,1,2,2-Tetrachloroethane	5.19	0.5	"	5.0000	0.00	104	70-130	2	20
1,1,1,2-Tetrachloroethane	5.37	0.5	"	5.0000	0.00	107	70-130	7	20
Tetrachloroethene	5.74	0.5	"	5.0000	0.00	115	70-130	8	20
Toluene	5.57	0.5	"	5.0000	0.00	111	76-125	9	13
1,2,3-Trichlorobenzene	5.76	0.5	"	5.0000	0.00	115	70-130	10	20
1,2,4-Trichlorobenzene	5.83	0.5	"	5.0000	0.00	117	70-130	12	20
1,1,1-Trichloroethane	5.45	0.5	"	5.0000	0.00	109	70-130	8	20
1,1,2-Trichloroethane	5.19	0.5	"	5.0000	0.00	104	70-130	3	20
Trichloroethene	5.26	0.5	"	5.0000	0.00	105	71-120	5	14
Trichlorofluoromethane	4.95	0.5	"	5.0000	0.00	99	70-130	5	20
1,2,3-Trichloropropane	5.20	0.5	"	5.0000	0.00	104	70-130	6	20
1,2,4-Trimethylbenzene	6.35	0.5	"	5.0000	0.00	127	70-130	11	20
1,3,5-Trimethylbenzene	6.51	0.5	"	5.0000	0.00	130	70-130	11	20
Vinyl acetate	4.07	0.5	"	5.0000	0.00	81	70-130	0.2	20
Vinyl chloride	4.80	0.5	"	5.0000	0.00	96	70-130	0.8	20
m-Xylene/p-Xylene	11.93	1.0	"	10.000	0.00	119	70-130	9	20
Surrogate: 4-Bromofluorobenzene	4.030		"	4.0000		101	86-115		
Surrogate: 1,2-Dichloroethane-d4	4.010		"	4.0000		100	76-114		
Surrogate: Toluene-d8	4.040		"	4.0000		101	88-110		



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB21005 - VOC Purge and Trap

Matrix Spike Dup (BB21005-MSD2)	Source: 1202001-23			Prepared & Analyzed: 02/09/12 19:50						
Acetone	4.36	2.0	ug/L	5.0000	0.75	72	70-130	9	20	
Benzene	5.23	0.5	"	5.0000	0.00	105	76-127	4	11	
Bromobenzene	5.65	0.5	"	5.0000	0.00	113	70-130	8	20	
Bromochloromethane	5.08	0.5	"	5.0000	0.00	102	70-130	6	20	
Bromodichloromethane	5.00	0.5	"	5.0000	0.00	100	70-130	1	20	
Bromoform	4.71	0.5	"	5.0000	0.00	94	70-130	2	20	
Bromomethane	3.15	0.5	"	5.0000	0.00	63	70-130	14	20	A
2-Butanone	5.45	2.0	"	5.0000	0.00	109	70-130	3	20	
sec-Butylbenzene	7.24	0.5	"	5.0000	0.00	145	70-130	15	20	A
tert-Butylbenzene	7.00	0.5	"	5.0000	0.00	140	70-130	13	20	A
n-Butylbenzene	7.53	0.5	"	5.0000	0.00	151	70-130	13	20	A
Carbon disulfide	4.84	0.5	"	5.0000	0.00	97	70-130	0.6	20	
Carbon Tetrachloride	5.45	0.5	"	5.0000	0.00	109	70-130	11	20	
Chlorobenzene	5.45	0.5	"	5.0000	0.00	109	75-130	9	13	
Chlorodibromomethane	4.87	0.5	"	5.0000	0.00	97	70-130	4	20	
Chloroethane	5.18	0.5	"	5.0000	0.00	104	70-130	9	20	
Chloroform	5.12	0.5	"	5.0000	0.00	102	70-130	5	20	
Chloromethane	4.51	0.5	"	5.0000	0.00	90	70-130	4	20	
2-Chlorotoluene	6.20	0.5	"	5.0000	0.00	124	70-130	11	20	
4-Chlorotoluene	6.06	0.5	"	5.0000	0.00	121	70-130	9	20	
1,2-Dibromo-3-chloropropane	4.93	0.5	"	5.0000	0.00	99	70-130	14	20	
1,2-Dibromoethane (EDB)	5.01	0.5	"	5.0000	0.00	100	70-130	3	20	
Dibromomethane	4.89	0.5	"	5.0000	0.00	98	70-130	9	20	
1,2-Dichlorobenzene	5.62	0.5	"	5.0000	0.00	112	70-130	9	20	
1,3-Dichlorobenzene	5.84	0.5	"	5.0000	0.00	117	70-130	11	20	
1,4-Dichlorobenzene	5.70	0.5	"	5.0000	0.00	114	70-130	9	20	
Dichlorodifluoromethane	4.08	0.5	"	5.0000	0.00	82	70-130	24	20	A
1,1-Dichloroethane	5.29	0.5	"	5.0000	0.00	106	70-130	5	20	
1,2-Dichloroethane	5.03	0.5	"	5.0000	0.00	101	70-130	5	20	
1,1-Dichloroethene	4.50	0.5	"	5.0000	0.00	90	61-145	8	14	
cis-1,2-Dichloroethene	5.24	0.5	"	5.0000	0.00	105	70-130	7	20	
trans-1,2-Dichloroethene	5.28	0.5	"	5.0000	0.00	106	70-130	4	20	
1,2-Dichloropropane	5.20	0.5	"	5.0000	0.00	104	70-130	5	20	
1,3-Dichloropropane	4.90	0.5	"	5.0000	0.00	98	70-130	0	20	
2,2-Dichloropropane	4.92	0.5	"	5.0000	0.00	98	70-130	10	20	
1,1-Dichloropropene	5.78	0.5	"	5.0000	0.00	116	70-130	7	20	
cis-1,3-Dichloropropene	5.00	0.5	"	5.2500	0.00	95	70-130	2	20	
trans-1,3-Dichloropropene	4.96	0.5	"	4.7500	0.00	104	70-130	2	20	
Ethylbenzene	6.25	0.5	"	5.0000	0.00	125	70-130	12	20	
Hexachlorobutadiene	7.42	0.5	"	5.0000	0.00	148	70-130	16	20	A
2-Hexanone	4.88	2.0	"	5.0000	0.00	98	70-130	9	20	

1202001 FINAL PART 2 OF 3

DAS R33907

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Page 163 of 165



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BB21005 - VOC Purge and Trap

Matrix Spike Dup (BB21005-MSD2)	Source: 1202001-23			Prepared & Analyzed: 02/09/12 19:50						
Isopropylbenzene	6.40	0.5	ug/L	5.0000	0.00	128	70-130	12	20	
p-Isopropyltoluene	7.07	0.5	"	5.0000	0.00	141	70-130	14	20	A
Methylene Chloride	4.69	0.5	"	5.0000	0.00	94	70-130	3	20	
4-Methyl-2-pentanone	4.47	2.0	"	5.0000	0.00	89	70-130	10	20	
Naphthalene	5.85	0.5	"	5.0000	0.00	117	70-130	8	20	
n-Propylbenzene	6.88	0.5	"	5.0000	0.00	138	70-130	12	20	A
1,1,2,2-Tetrachloroethane	4.95	0.5	"	5.0000	0.00	99	70-130	2	20	
1,1,1,2-Tetrachloroethane	5.15	0.5	"	5.0000	0.00	103	70-130	4	20	
Tetrachloroethene	5.98	0.5	"	5.0000	0.00	120	70-130	11	20	
Toluene	5.63	0.5	"	5.0000	0.06	111	76-125	8	13	
1,2,3-Trichlorobenzene	6.03	0.5	"	5.0000	0.00	121	70-130	12	20	
1,2,4-Trichlorobenzene	6.15	0.5	"	5.0000	0.00	123	70-130	12	20	
1,1,1-Trichloroethane	5.51	0.5	"	5.0000	0.00	110	70-130	6	20	
1,1,2-Trichloroethane	4.99	0.5	"	5.0000	0.00	100	70-130	2	20	
Trichloroethene	5.49	0.5	"	5.0000	0.00	110	71-120	8	14	
Trichlorofluoromethane	3.86	0.5	"	5.0000	0.00	77	70-130	27	20	A
1,2,3-Trichloropropane	4.95	0.5	"	5.0000	0.00	99	70-130	4	20	
1,2,4-Trimethylbenzene	6.56	0.5	"	5.0000	0.00	131	70-130	12	20	A
1,3,5-Trimethylbenzene	6.73	0.5	"	5.0000	0.00	135	70-130	12	20	A
Vinyl acetate	4.26	0.5	"	5.0000	0.00	85	70-130	3	20	
Vinyl chloride	4.60	0.5	"	5.0000	0.00	92	70-130	7	20	
m-Xylene/p-Xylene	12.13	1.0	"	10.000	0.00	121	70-130	10	20	
Surrogate: 4-Bromofluorobenzene	4.110		"	4.0000		103	86-115			
Surrogate: 1,2-Dichloroethane-d4	3.840		"	4.0000		96	76-114			
Surrogate: Toluene-d8	4.020		"	4.0000		100	88-110			



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Notes and Definitions

- UJ The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
- T Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
- R The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.
- J The identification of the analyte is acceptable; the reported value is an estimate.
- B Not detected substantially above (10 times) the level reported in the laboratory or field blanks (including field, trip, rinsate, and equipment blanks).
- A Quality control value is outside acceptance limits.
- %REC Percent Recovery
- RPD Relative Percent Difference
- U Analyte included in the analysis, but not detected at or above the quantitation limit.

QUANTITATION LIMIT: The lowest concentration of an analyte that can be reliably measured within specified limits of precision and accuracy for a specific laboratory analytical method and that takes into account analytical adjustments made during sample preparation and analysis.

SOLID SAMPLE RESULTS - REPORTING PROTOCOL: Solid samples where % Solids (percent dry wt at 105 degrees C) has been performed, are analyzed wet and converted to a dry weight result for reporting purposes. This is routine for organics and most inorganic analyses. When metals and mercury analyses are requested, solid samples are routinely analyzed and reported on a dry weight basis. Solid samples for metals/mercury are prepared for analysis by an initial drying at 60 degree C and homogenization before digestion. Oil-type samples will be analyzed and reported on a wet weight basis for all analyses because of the nature of the sample. Any exceptions to the protocol will be noted with a qualifier

ON-DEMAND: The term 'on-demand' analysis, if noted in the report narrative, refers to Section 13.1.4 in the Region III OASQA Laboratory Quality Manual, which provides procedures for non-routine analyses or analytes.